


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>							
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER CCU 2-1-25-18							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT CANE CREEK							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME CANE CREEK							
6. NAME OF OPERATOR FIDELITY E&P COMPANY						7. OPERATOR PHONE 720 931-6459							
8. ADDRESS OF OPERATOR 1700 Lincoln Street Ste 2800, Denver, CO, 80203						9. OPERATOR E-MAIL Robert.Sencenbaugh@fidelityepco.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-43326			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		768 FSL 2390 FEL		SWSE		2		25.0 S		18.0 E		S	
Top of Uppermost Producing Zone		1476 FSL 2587 FEL		NESW		2		25.0 S		18.0 E		S	
At Total Depth		680 FNL 742 FWL		NWNW		2		25.0 S		18.0 E		S	
21. COUNTY GRAND			22. DISTANCE TO NEAREST LEASE LINE (Feet) 680			23. NUMBER OF ACRES IN DRILLING UNIT 640							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 10560			26. PROPOSED DEPTH MD: 14603 TVD: 8478							
27. ELEVATION - GROUND LEVEL 5153			28. BOND NUMBER 190017646/104891324			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Municipal							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight			
Cond	26	20											
Surf	17.5	13.375	0 - 860	54.5	J-55 Butress	0.0	35/65 Poz	216	2.07	12.3			
							Class G	200	1.47	14.2			
Prod	8.5	7	0 - 5100	7.0	P-110 Other	0.0	Class G	150	1.26	16.8			
I1	12.25	9.625	0 - 5160	47.0	HCP-110 LT&C	0.0	35/65 Poz	580	2.08	12.3			
							50/50 Poz	200	1.43	13.5			
P2	8.5	7	0 - 14603	29.0	P-110 Other	16.5	Class G	1055	1.2	15.5			
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Joy Gardner				TITLE Sr. Engineering Tech				PHONE 720 956-5763					
SIGNATURE				DATE 10/03/2013				EMAIL joy.gardner@fidelityepco.com					
API NUMBER ASSIGNED 43019500360000				APPROVAL  Permit Manager									

Fidelity Exploration & Production Company Eight Point Plan

CCU 2-1-25-18SEC 2 / T25S / R18E, SWSE, 2,390' FEL & 768' FSLGRAND COUNTY, UTAH**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

FORMATION	TVD-RKB (ft)	Sub-Sea (ft)	Lithology	Objective
Windgate Sand	155'	+5019	Sandstone	
Chinle	540'	+4634'	Sand/Shale	
Moenkopi	809'	+4365'	Sand/Shale	
Cutler	1047'	+4127'	Sandstone	
Honaker Trail	3027'	+2147'	Sand/Evaporite	
Paradox	4818'	+601'	Salt/Clastics	Secondary
Cane Creek Shale	8284'	-3110'	Shale	Primary
T.D.	8478'	-3304		

Estimated TD: 8,478'TVD/14,603' MD

Anticipated BHP: +/-6,500 Psig

1. Lost circulation in all intervals.
2. Cement isolation is installed to surface of the well isolating all zones by cement and casing.

3. PRESSURE CONTROL EQUIPMENT:Intermediate & Production Hole – 10M
BOP schematic diagrams attached.**4. CASING PROGRAM:**

<u>CASING</u>	<u>Hole Size</u>	<u>Length</u>	<u>Size</u>	<u>WEIGHT</u>	<u>Grade</u>	<u>Thread</u>	<u>Collapse</u>	<u>Burst</u>	<u>Tensile</u>
							(psi) a	(psi) b	(1K lbs) c
Conductor	26"	0 – 100'	20"						
Surface	17 1/2"	0' – 860'	13 3/8"	54.5#	J-55	STC/BTC	1130/2.1	2730/3.0	547/2.5
Intermediate	12 1/4"	0 – 5,160'	9-5/8"	47.0#	HCP-110	BTC	7,100/1.5	9,440/1.2	1213/2.1
Production	8-1/2"	0 – 5,100'	7"	29#	P-110	BTC	8,530/1.9	11,220/1.25	955/2.1
Production	8-1/2"	5,100' – 8,700'	7"	32#	HCP-110	BTC	11,890/1.9	12,460/1.25	897/2.1
Production	8-1/2"	8,700' - 14,603'	7"	29#	P-110	BTC	8,530/1.9	11,220/1.25	955/2.1

Surface based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppg fluid + 100K overpull.

Intermediate based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppg fluid + 100K overpull.

Fidelity Exploration & Production Company Eight Point Plan**CCU 2-1-25-18****SEC 2 / T25S / R18E, SWSE, 2,390' FEL & 768' FSL****GRAND COUNTY, UTAH**

Production based on full evacuation: a=16.5 ppg fluid on backside/1.25 psi/ft gradient w/ 0.375 inside X 1.9 for salt intervals,
b=16.5 ppg inside, & c=16.5 ppg fluid + 100K overpull

All casing will be new or inspected.**5. Float Equipment:****Surface Hole Procedure (0' - 860'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 3rd joint to surface. (8 total)**Intermediate Hole Procedure (0' - 5,160±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 3rd joint to surface. (38 total)**Production Hole Procedure (0' - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint. Two centralizers on the shoe joint, then every joint into the 7" casing from shoe joint to 4,200'. (±199 total)

6. MUD PROGRAM

Interval	Mud Type	Mud Wt.	PV / YP	OWR
0'-860'	Air Mist	---	---	---
860' - 5,160'	Air Mist/Aerated Water	---	---	---
5,160' - TD	Oil Based Mud	13.5-16.5 ppg	22-32 / 12-22	+/-90:10

Production Hole Procedure (4,335' - TD): Anticipated mud weight 13.5 – 16.5 ppg depending on actual wellbore conditions encountered while drilling.

An oil based mud (OBM) system will be used to prevent fluid interaction with the salts and shales. LCM sweeps, pills, etc., will be used to prevent fluid loss. Adequate amounts of weighting material will be on hand as needed for well control.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- o Fidelity E&P. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).

Fidelity Exploration & Production Company Eight Point Plan**CCU 2-1-25-18****SEC 2 / T25S / R18E, SWSE, 2,390' FEL & 768' FSL****GRAND COUNTY, UTAH**

- Fidelity E&P requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- Fidelity E&P requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:**Mud Logs:** Mud log from 860' to TD.**Open-hole Logs:** Quad-Combo, (Dipole Sonic), ECS, FMI, OBMI*

*depending on hole conditions

9. CEMENT PROGRAM:**Surface Hole Procedure (Surface – 860'±):**

Lead: 216 sks 35:65 Poz cement + 0.04 pps Static Free + 0.5% bwoc KCL + 0.25 pps LCM + 2 pps Kol-Seal (LCM) + 0.5% bwoc Na Metasilicate + 0.5 gps FP-13L + 6% bwoc gel + 11.36 gps of water. Yield = 2.07 ft³/sk @ 12.30 ppg

Tail: 200 sks Class "G" cement + 0.04 pps Static Free + 1% bwoc CaCl + 0.25 pps LCM + 0.5 gps FP-13L + 7.35 gps water. Yield = 1.47 ft³/sk @ 14.20 ppg

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk LCM mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface.

Intermediate Hole Procedure (Surface – 5,160'±):

Lead: 580 sks 35:65 Poz cement + 0.04 pps Static Free + 0.25 pps LCM + 0.4% bwoc FL-63 + 0.2% CD32 + 0.2% BA-59 + 0.5 gps FP-13L + 2% bwoc gel + 11.56 gps of water. Yield = 2.08 ft³/sk @ 12.30 ppg

Tail: 200 sks 50:50 Poz cement + 0.04 pps Static Free + 0.25 pps LCM + 0.2% bwoc CD-32 + 0.2% bwoc BS-59 + 0.5 gps FP-13L + 6.97 gps water. Yield = 1.43 ft³/sk @ 13.5 ppg

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk LCM mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.

Fidelity Exploration & Production Company Eight Point Plan

CCU 2-1-25-18
SEC 2 / T25S / R18E, SWSE, 2,390' FEL & 768' FSL
GRAND COUNTY, UTAH

Production Hole Procedure (5,160 –14,600'±):

Lead: 150 sks Class G cement + 0.11 pps LCM fiber + 0.5% retarder + 3% bwoc CaCl + 20% bwoc Barite. Yield = 1.26 @ 16.80 ppg.

Tail: 1055 sks Class G cement + 0.1 pps fiber + 0.2% R3 + 0.04 pps Static Free + 0.5% bwoc KCL + 0.25 pps LCM + 2 pps Kol-Seal (LCM) + 0.2% bwoc CD-32 + 0.5 gps FP-13L + 30% bwoc Barite + 6% bwoc gel + 5.39 gps of water. Yield = 1.20 ft³/sk @ 15.50 ppg.

Note: The above number of sacks is based on gauge-hole calculation.
Final Cement volumes will be based upon actual depth, gauge-hole plus 30% excess and depth of hydrocarbon show. Actual weights will depend on well conditions. Specific additives will vary by vendor.

10. ABNORMAL CONDITIONS:

Surface Hole (Surface – 860'±):

None

Intermediate & Production Hole (860'± - TD):

Lost circulation zones and over pressure in the production zone.

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

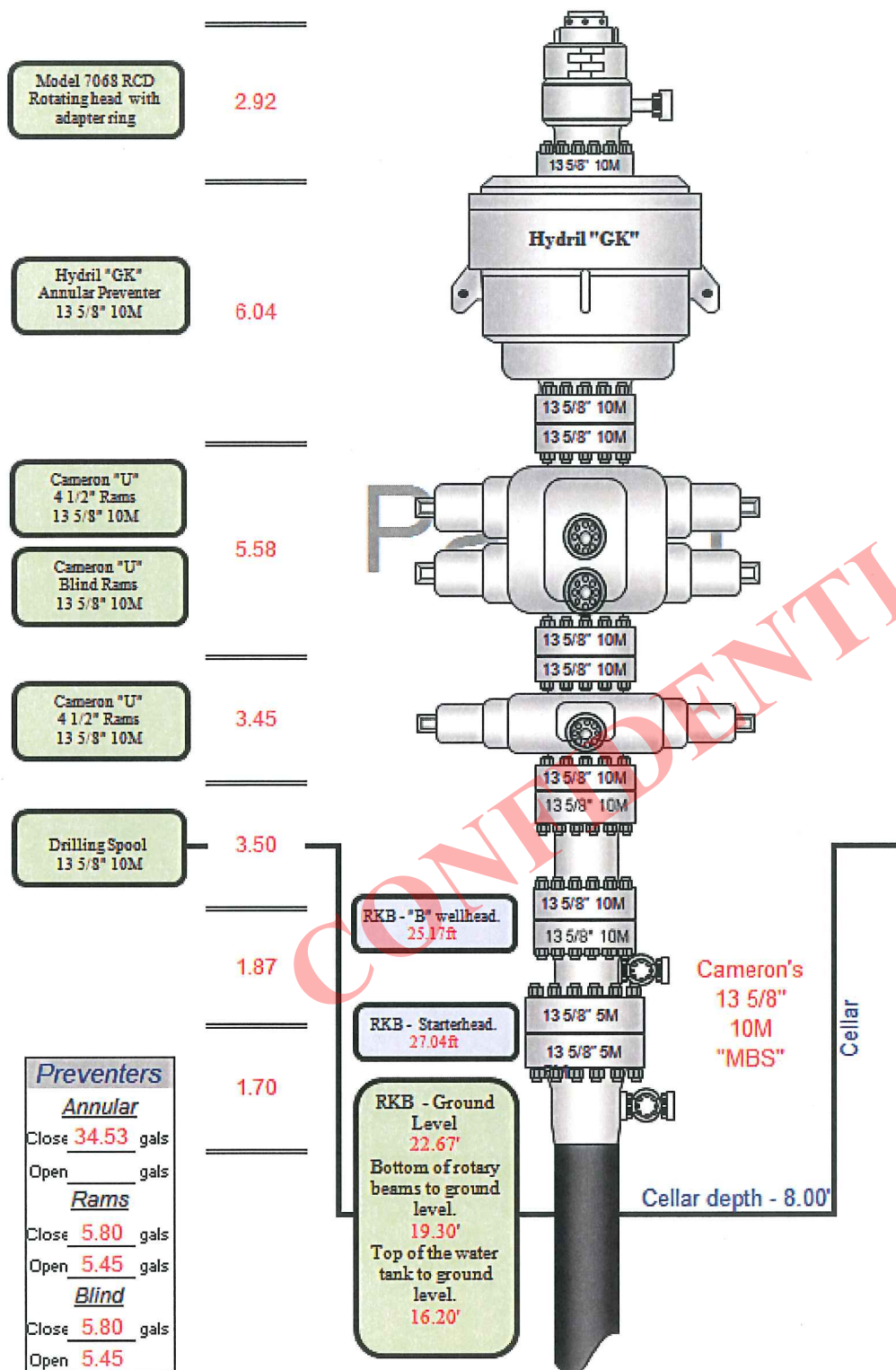
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

Fidelity Exploration & Production Company Eight Point Plan

CCU 2-1-25-18
SEC 2 / T25S / R18E, SWSE, 2,390' FEL & 768' FSL
GRAND COUNTY, UTAH



FIDELITY EXPLORATION & PRODUCTION CO.

CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH



PHOTO: CENTER-NORTH

CAMERA ANGLE: SITE NORTH



PHOTO: CENTER-EAST

CAMERA ANGLE: SITE EAST

KEOGH LAND SURVEYING

45 EAST CENTER STREET

MOAB, UTAH, 84532

LOCATION PHOTOS

TAKEN BY: KAYCAMP | DATE: 9-17-13 | SURVEYED 9-13-13

FIDELITY EXPLORATION & PRODUCTION CO.

CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH



PHOTO: CENTER-SOUTH

CAMERA ANGLE: SITE NORTH



PHOTO: CENTER-WEST

CAMERA ANGLE: SITE EAST

KEOGH LAND SURVEYING

45 EAST CENTER STREET

MOAB, UTAH, 84532

LOCATION PHOTOS

TAKEN BY: KAYCAMP | DATE: 9-17-13 | SURVEYED 9-13-13

NET CUT = 3090 CUBIC YARDS

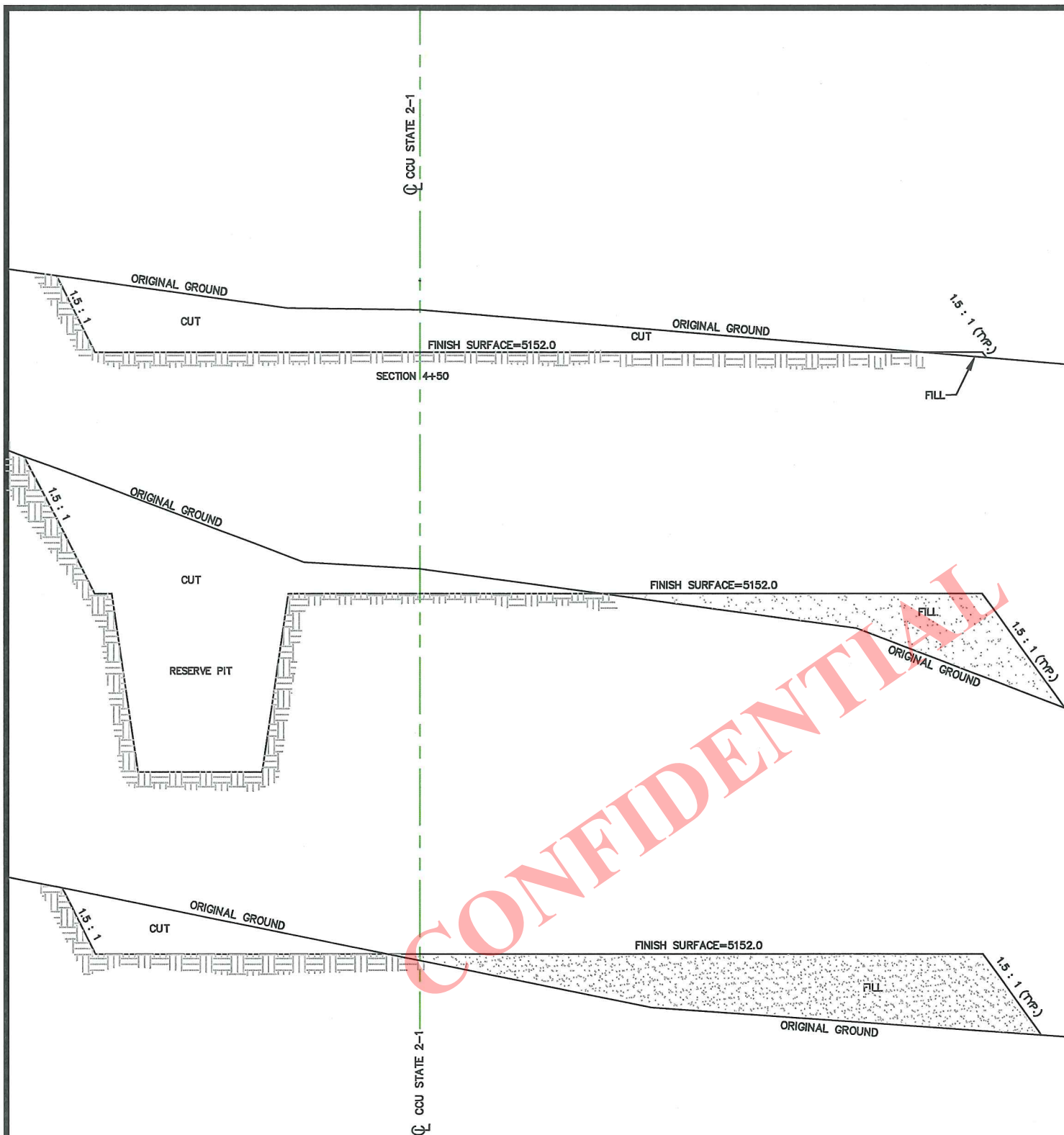


MOAB, UTAH, 84532

LOCATION LAYOUT FOR
CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR
FIDELITY EXPLORATION & PRODUCTION CO.



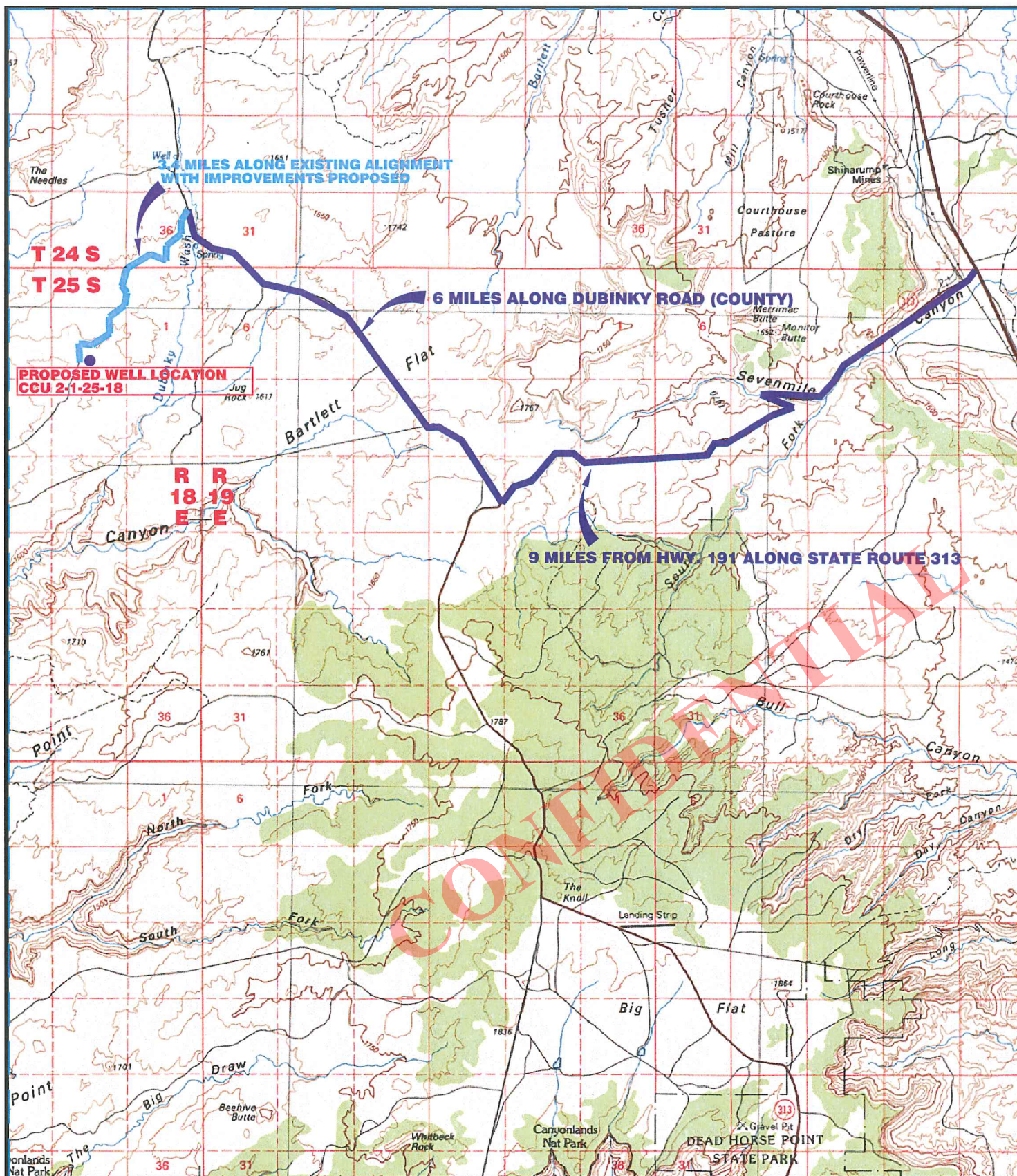
ELEVATION OF ORIGINAL GROUND AT LOCATION STAKE=5153.4
FINISHED GRADE ELEVATION AT LOCATION STAKE =5152.0

TOTAL CUT =13892 CUBIC YARDS
TOTAL FILL =10801 CUBIC YARDS

NET CUT = 3090 CUBIC YARDS



KEOGH LAND SURVEYING	
45 EAST CENTER STREET	MOAB, UTAH, 84532
LOCATION LAYOUT FOR	
CCU 2-1-25-18	
WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH	
PREPARED FOR	
FIDELITY EXPLORATION & PRODUCTION CO.	



- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED
- EXISTING ROAD

TOPOGRAPHIC MAP "A"

DATE: 9-17-13

SCALE: 1:100000

DRAWN BY: TMK

REVISED:

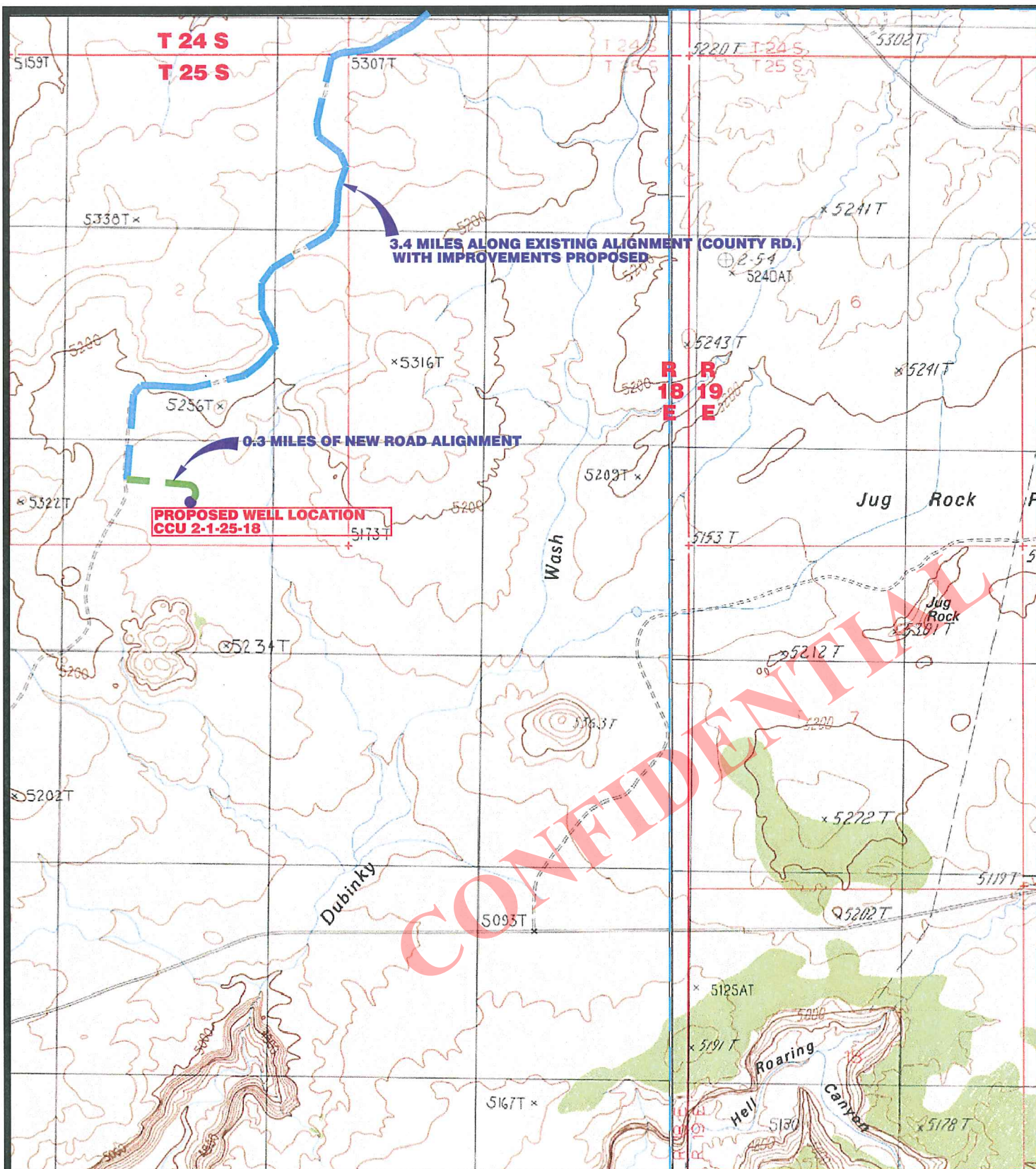
SURVEYED 9-13-13

FIDELITY EXPLORATION & PRODUCTION CO.

PROPOSED ACCESS TO
CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH

KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532



LEGEND

- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED

TOPOGRAPHIC MAP "B"

DATE: 9-17-13
 SCALE: 1"=2000'
 SURVEYED 9-13-13

DRAWN BY: TMK

REVISED:

FIDELITY EXPLORATION & PRODUCTION CO.

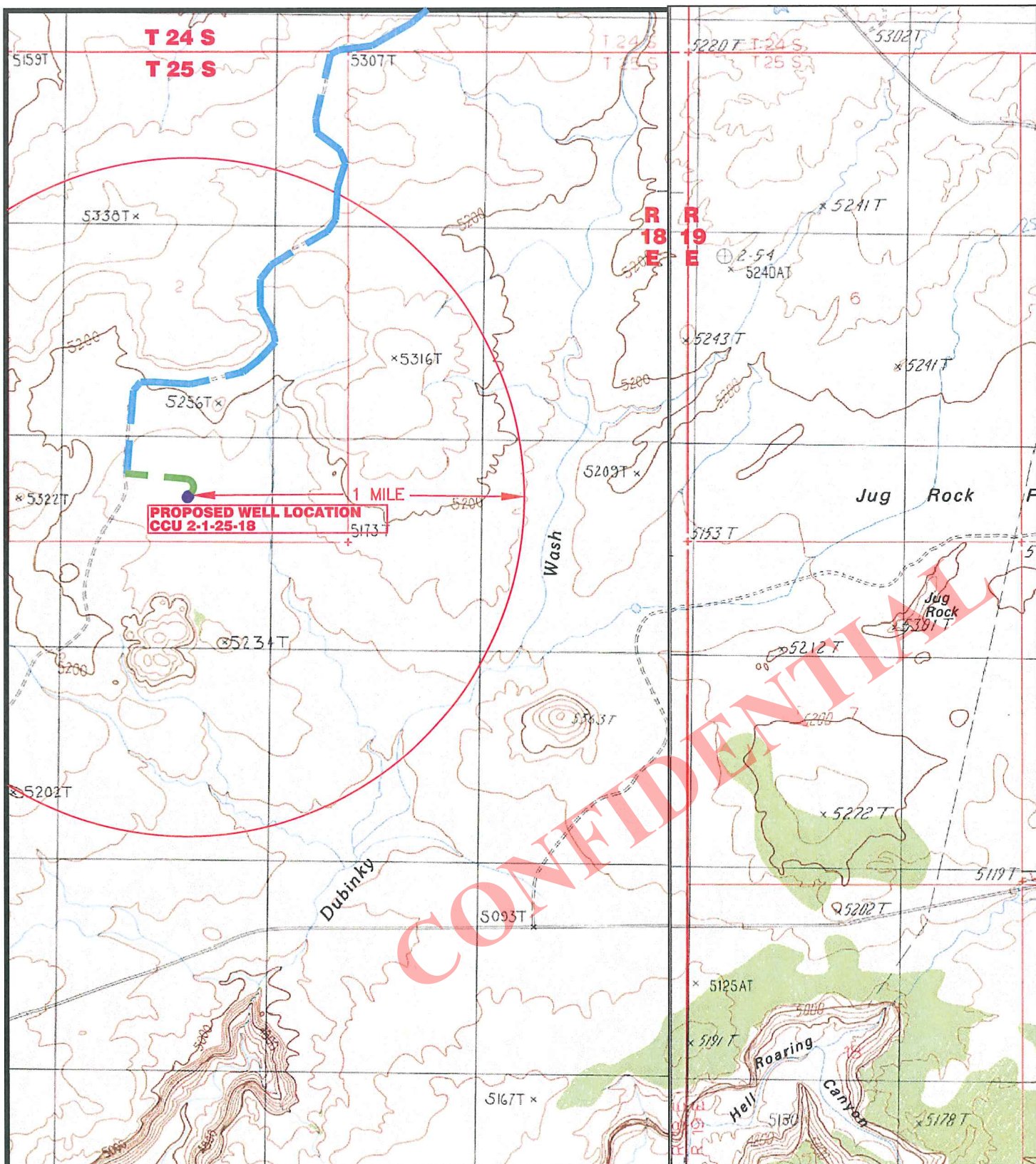
PROPOSED ACCESS TO
CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH

KEOGH LAND SURVEYING

45 EAST CENTER STREET

MOAB, UTAH, 84532



LEGEND

- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED

TOPOGRAPHIC MAP "C"

DATE: 9-17-13
SCALE: 1"=2000'
SURVEYED 9-13-13

DRAWN BY: TMK

REVISED:

FIDELITY EXPLORATION & PRODUCTION CO.

PROPOSED ACCESS TO
CCU 2-1-25-18

WITHIN SECTION 2, T 25 S, R 18 E, SLM, GRAND COUNTY, UTAH

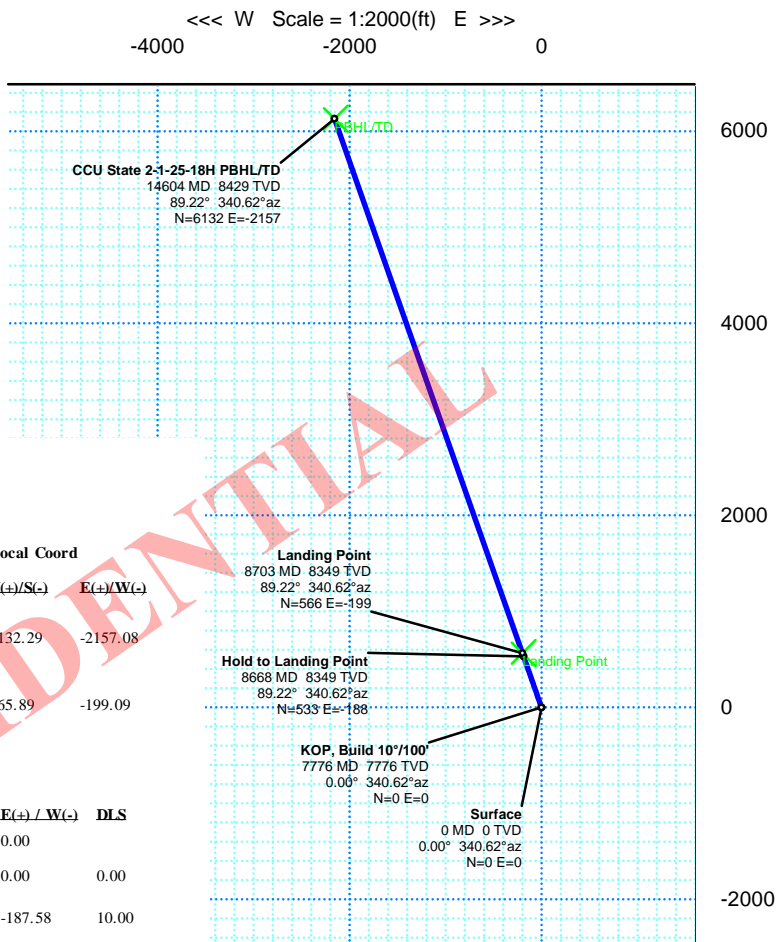
KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532

WELL	CCU State 2-1-25-18H	FIELD	Grand County, UT	STRUCTURE	Fidelity (CCU State 2-1-25-18H)
Magnetic Parameters Model: BGGM 2013 Dip: 64.629° Mag Dec: 10.829°		Surface Location Lat: N 38 39 14.267 Lon: W 109 54 3.358		Miscellaneous Slot: CCU State 2-1-25-18H Plan: R0 mdr 11Sep13	
Date: September 11, 2013 FS: 51232.9mT		NAD27 Utah State Plane, Central Zone, US Feet Northing: 120870.90 RUS Easting: 2456708.20 RUS Grid Conv: 1.024° Scale Fact: 1.00010921		TVD Ref: RKB(5174ft above Mean Sea Level) Srvy Date: September 11, 2013	

Proposal



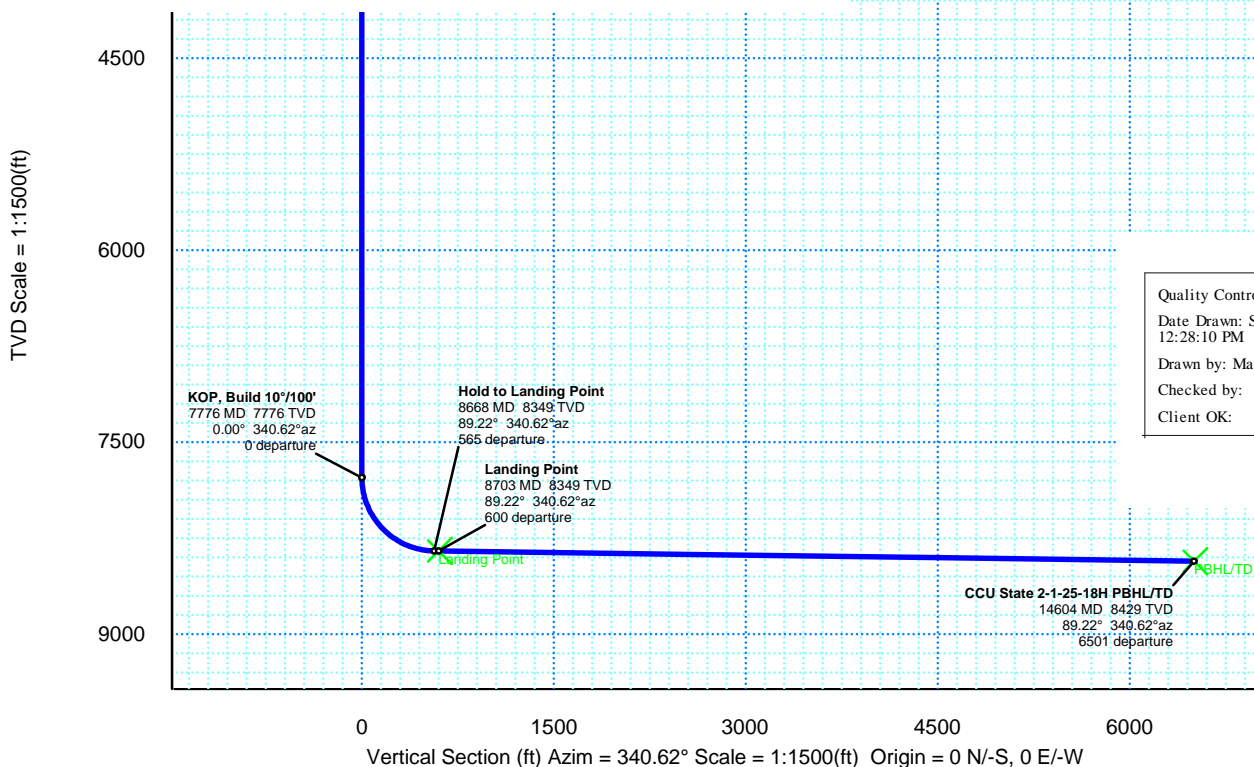
True North
 Tot Corr (M->T 10.829°)
 Mag Dec (10.829°)
 Grid Conv (1.024°)



Surface Location
 Northing: 120870.90 Easting: 2456708.20

Target Name	Shape	Major Axis	N(+)/S(-)	E(+)/W(-)	TVD	YSec	N(+)/S(-)	E(+)/W(-)
CCU State 2-1-25-18H PBHL/TD	Point	0.00	126964.30	2454441.60	8429.00	6500.61	6132.29	-2157.08
CCU State 2-1-25-18H Landing Point	Point	0.00	121433.20	2456499.00	8349.00	599.89	565.89	-199.09

Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface	0.00	0.00	340.62	0.00	0.00	0.00	0.00	
KOP, Build 10°/100'	7775.62	0.00	340.62	7775.62	0.00	0.00	0.00	0.00
Hold to Landing Point	8667.86	89.22	340.62	8348.53	565.20	533.16	-187.58	10.00
Landing Point	8702.56	89.22	340.62	8349.00	599.89	565.89	-199.09	0.00
CCU State 2-1-25-18H PBHL/TD	14603.82	89.22	340.62	8429.00	6500.61	6132.29	-2157.08	0.00



Quality Control
 Date Drawn: September 11, 2013
 12:28:10 PM
 Drawn by: Matt VanderSchaaf
 Checked by:
 Client OK:



SURFACE USE PLAN

Name of Operator Fidelity Exploration & Production Company
Address: 1700 Lincoln Street, Suite 2800
Denver, CO 80203
Well Location: **CCU 2-1-25-18**
768' FSL & 2390' FEL,
SWSE, Section 2, T25S, R18E
Grand County, UT

The proposed CCU 2-1-25-18 well site will be located on surface and minerals owned by the State of Utah and managed by the School and Institutional Trust Lands Administration (SITLA). Fidelity does not anticipate any additional disturbance beyond the access road and original well pad dimensions. However, any additional construction work will be accomplished in coordination with the State and a Sundry Notice will be submitted to the State prior to construction of any new surface disturbance activity on State surface not specified in this document.

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating any additional construction activities. The State of Utah Authorized Officer will be notified at least 48 hours prior to beginning drilling and/or additional facilities construction for scheduling of a preconstruction meeting.

1. Location of Existing Roads:

- a. The well pad is located approximately 15 miles west of Moab, Utah.
- b. Directions to the location from Moab, Utah are as follows:

Proceed northwest on Highway 191 for 11.2 miles. Turn left onto Highway 313 and proceed southwest 9 miles. Turn right on Dubinky road and proceed northwest for 6 miles. Turn left onto unnamed County Road and proceed 3.4 miles to pad access road and location. For location of access roads, see Map A & B.

All roads are maintained by the Grand County Road Department or Utah State Highway Department. Any required improvements to the unnamed County Road will be in coordination with and with permission from the Grand County Road Department.

- c. All existing roads will be maintained and kept in good repair during all phases of operation.

- d. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. New or Reconstructed Access Roads:

- a. Approximately 0.3 miles of new access road will be constructed for the drilling of this well
- b. Surface disturbance and vehicular travel will be limited to the approved location access road.
- c. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

- a. There are no existing wells within a one-mile radius of the proposed CCU 2-1-25-18 location.

4. Location of Existing and/or Proposed Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Juniper Green or Beetle Green to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this well site; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion,

fugitive dust, and impacts to adjacent areas.

- h. A pipeline corridor has been considered for this well and will be applied for once production is achieved.

5. Location and Type of Water Supply:

- a. The water supply for construction, drilling and operations will be provided under a direct purchase agreement with the City of Moab municipal water supply.
- b. No water pipelines will be laid for this well.
- c. No water well will be drilled for this well.
- d. Drilling water for this will be hauled on the road(s) shown.
- e. Should additional water sources be pursued they will be properly permitted through the State of Utah – Division of Water Rights.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.
- b. No camps or airstrips are proposed with this application.

8. Well Site Layout:

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. The existing access to the well pad will be from the west.
- c. The pad and road designs are consistent with BLM specifications.
- d. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- e. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a discontinuous windrow on the side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss, sterilization and contamination.

- f. Pits will remain fenced until site cleanup.
- g. The blooie line will be located at least 100 feet from the well head.
- h. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

9. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Multiple wells are planned for the CCU 2-1-25-18 location. Upon drilling of the final well for this pad, interim site reclamation will be accomplished for portions of the site not required for the continued operation of the wells.
- b. Upon final well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the nylon reinforced plastic liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices interim reclamation will be completed following completion of the final well to reestablish vegetation, reduce dust and erosion, and complement the visual resources of the area.
 - 1. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
 - 2. The area outside of the rig anchors and other disturbed areas not needed for the operation of the wells will be re-contoured to blend with the surrounding area and reseeded with the following native grass seeds:

<i>Species of Seed</i>	<i>Broadcast Application Rate (lbs/ac)</i>	<i>App. Rate PLS (lbs/ac)</i>
Blue Gramma	5	3
Galleta	2	2
Indian Ricegrass	3	2
Bottlebrush Squirreltail	1	1
Total: 11		Total: 8

- 3. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office.

- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded as described above.
 - f. A final abandonment notice will be submitted to the State when the reclamation activities (as presented in this document) are complete and new vegetation is established. Should there be any deviation from these planned reclamation activities, the surface owner will be notified and a Sundry Notice will be submitted to the State for approval of the new closure and reclamation activities.
10. Surface and Mineral Ownership:
- a. Surface Ownership – State of Utah.
 - b. Mineral Ownership – State of Utah.
11. Other Information:

Company Representatives:

Bruce Houtchens
Drilling and Completion Manager
1700 Lincoln St. Suite 2800
Denver, CO 80203
(713) 351-1950-Direct line
(281) 217-6452 Cell
Bruce.houtchens@fidelityepco.com

Will Alexander
Sr. Drilling Engineer
1700 Lincoln St. Suite 2800
Denver, CO 80203
(720) 917-3025-Direct line
(303) 819-5461 Cell
William.alexander@fidelityepco.com

Joy Gardner – Sr. Engineering Tech
Fidelity Exploration & Production Company
1700 Lincoln St. Suite 2800
Denver, CO, 80203
(720) 956-5763 - Direct line
Joy.gardner@fidelityepco.com



WASTE MANAGEMENT PLAN

Name of Operator: Fidelity Exploration & Production Company

Address: 1700 Lincoln Street, Suite 2800
Denver, CO 80203

Well Location: **CCU 2-1-25-18**
768' FSL & 2390' FEL,
SWSE, Section 2, T25S, R18E
Grand County, UT

For the CCU 2-1-25-18 well, Fidelity will drill with air to a depth of 5,160 feet and then drill with oil based mud (OBM) from 5,160 to 14,603 feet (TD). Approximately 191 cubic yards of air based cuttings will be generated and disposed into the reserve pit. The reserve pit will be lined with 24 mil minimum thickness, nylon reinforced, plastic liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during drilling and completion operations. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

OBM will be provided by National Oilwell Varco, Moab, UT, and stored in 400 barrel frac tanks on location. When the OBM is returned to the surface, solids control equipment will be used to remove OBM from the cuttings for reuse. Shale shakers, drying shakers, and a vertical cuttings dryer will be used in series for OBM removal. The dried cuttings will be dumped into a small shale bin and later transferred to a large shale bin for mix-off with saw dust, as necessary, and storage prior to hauling. OBM materials will be stored on location for roughly 25 to 30 days.

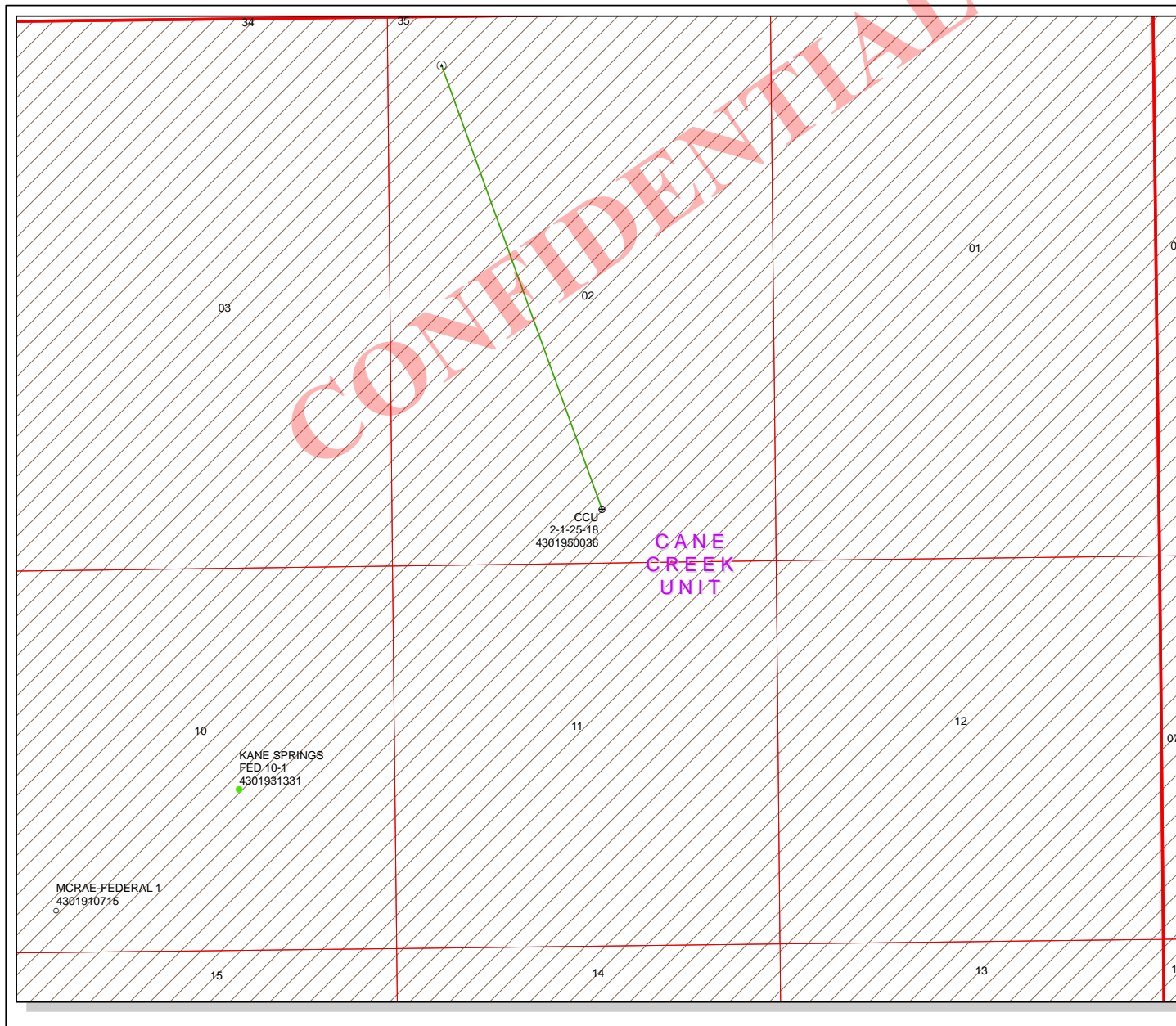
Roughly 138 cubic yards of OBM cuttings will be generated at the CCU 2-1-25-18. All OBM cuttings will be disposed at Klondike Flats Class I Landfill. The Klondike facility is owned and operated by Solid Waste Management Special Service District #1, P.O. Box 980, Moab, UT 84532, and is located approximately 20 miles north of Moab, off of Highway 191.

Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed. After initial well clean-up, a 400 barrel tank will be installed to contain produced wastewater. This water will be transported from the tank to an approved disposal facility. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet. The portable chemical toilet will be replaced periodically utilizing a licensed contractor. The contractor will transport the toilet to the Grand County Wastewater Treatment Facility for clean-out in accordance with state and county regulations.

Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary, but no later than at the completion of drilling operations. The contents of the trash container will be hauled to the approved Grand County facility, Bob's Sanitation, Moab, Utah.

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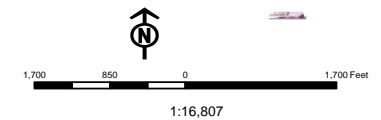
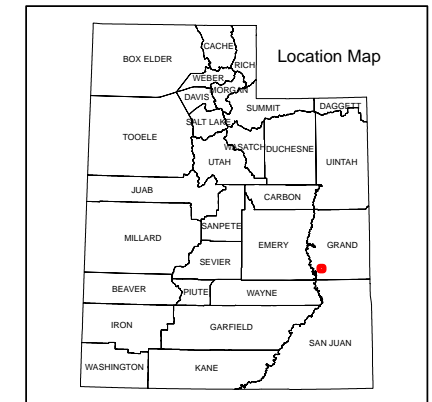


API Number: 4301950036
Well Name: CCU 2-1-25-18

Township: T25.0S Range: R18.0E Section: 02 Meridian: S
 Operator: FIDELITY E&P COMPANY

Map Prepared: 10/4/2013
 Map Produced by Diana Mason

Wells Query		Units	
Status			STATUS
APD - Aproved Permit			ACTIVE
DRL - Spuded (Drilling Commenced)			EXPLORATORY
GIW - Gas Injection			GAS STORAGE
GS - Gas Storage			NF PP OIL
LOC - New Location			NF SECONDARY
OPS - Operation Suspended			PI OIL
PA - Plugged Abandoned			PP GAS
PGW - Producing Gas Well			PP GEOTHERML
POW - Producing Oil Well			PP OIL
SGW - Shut-in Gas Well			SECONDARY
SOW - Shut-in Oil Well			TERMINATED
TA - Temp. Abandoned			
TW - Test Well			
WOW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:

3160
(UT-922)

October 24, 2013

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Cane Creek Unit,
Grand and San Juan Counties, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Cane Creek Unit, Grand and San Juan Counties, Utah.

API #	WELL NAME	LOCATION
Proposed PZ CANE CREEK)		
43-019-50036	CCU 2-1-25-18	Sec 02 T25S R18E 0768 FSL 2390 FEL
	Lateral 1	Sec 02 T25S R18E 0680 FNL 0742 FWL
(Proposed PZ Clastic 18/19 TVD 7446')		
43-019-50037	CCU 32-1-25-19	Sec 32 T25S R19E 1114 FSL 0858 FWL
	Lateral 1	Sec 32 T25S R19E 0685 FNL 0694 FEL

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management,
ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.10.24 14:20:17 -0600

bcc: File - Cane Creek Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-24-13

RECEIVED: October 24, 2013

Well Name	FIDELITY E&P COMPANY CCU 2-1-25-18 43019500360000			
String	Cond	Surf	I1	Prod
Casing Size(")	20.000	13.375	9.625	7.000
Setting Depth (TVD)	100	860	5160	8429
Previous Shoe Setting Depth (TVD)	0	100	860	5160
Max Mud Weight (ppg)	8.4	9.0	9.0	16.5
BOPE Proposed (psi)	0	500	10000	10000
Casing Internal Yield (psi)	1000	2730	9440	11220
Operators Max Anticipated Pressure (psi)	6500			14.8

Calculations	Cond String	20.000	"
Max BHP (psi)	.052*Setting Depth*MW=	44	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	32	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	22	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	22	NO
Required Casing/BOPE Test Pressure=		100	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

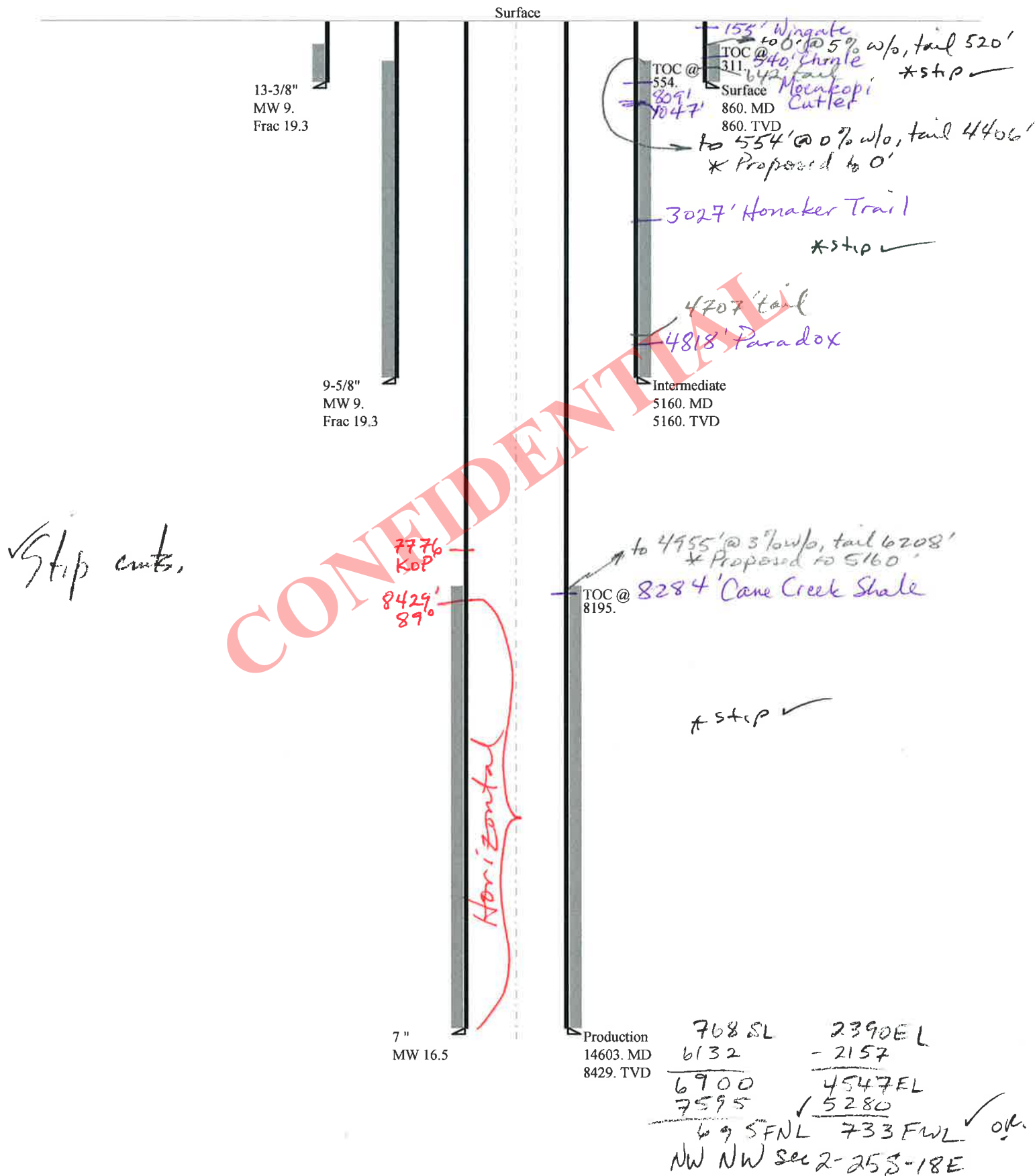
Calculations	Surf String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	402	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	299	YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	213	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	235	NO OK
Required Casing/BOPE Test Pressure=		860	psi
*Max Pressure Allowed @ Previous Casing Shoe=		100	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	2415	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1796	YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1280	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1469	NO OK
Required Casing/BOPE Test Pressure=		5160	psi
*Max Pressure Allowed @ Previous Casing Shoe=		860	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	7232	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6221	YES 10M BOPE w/rotating head, 5M annular,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5378	YES double & blind rams
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6513	NO OK
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5160	psi *Assumes 1psi/ft frac gradient

43019500360000 CCU 2-1-25-18

Casing Schematic



Well name:	43019500360000 CCU 2-1-25-18	
Operator:	FIDELITY E&P COMPANY	
String type:	Surface	Project ID: 43-019-50036
Location:	GRAND COUNTY	

Design parameters:**Collapse**

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 86 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 311 ft

Burst

Max anticipated surface pressure: 757 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 860 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 746 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 5,160 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,412 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 860 ft
Injection pressure: 860 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	860	13.375	54.50	J-55	ST&C	860	860	12.49	10671
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	402	1130	2.810	860	2730	3.17	46.9	514	10.97 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 860 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43019500360000 CCU 2-1-25-18		
Operator:	FIDELITY E&P COMPANY		
String type:	Intermediate		Project ID: 43-019-50036
Location:	GRAND	COUNTY	

Design parameters:**Collapse**

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 146 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 554 ft

Burst

Max anticipated surface pressure: 4,025 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,160 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 4,463 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 8,429 ft
Next mud weight: 16.500 ppg
Next setting BHP: 7,225 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,160 ft
Injection pressure: 5,160 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5160	9.625	47.00	HCP-110	Buttress	5160	5160	8.625	96515
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2412	7100	2.943	5160	9440	1.83	242.5	1493	6.16 B

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5160 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43019500360000 CCU 2-1-25-18		
Operator:	FIDELITY E&P COMPANY		
String type:	Production	Project ID:	43-019-50036
Location:	GRAND	COUNTY	

Design parameters:**Collapse**

Mud weight: 16.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 192 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 8,195 ft

Burst

Max anticipated surface pressure: 5,370 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,225 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 6,438 ft

Directional Info - Build & Hold

Kick-off point 7776 ft
Departure at shoe: 6500 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 89.22 °

Estimated cost: 180,700 (\$)

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
3	5100	7	29.00	P-110	Buttress	5100	5100	6.059	61631
2	3600	7	32.00	HCP-110	Buttress	8349	8700	6	47734
1	5903	7	29.00	P-110	Buttress	8429	14603	6.059	71335

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	4371	8225	1.882	6492	11220	1.73	254.2	929.4	3.66 B
2	7156	10774	1.505	7207	11640	1.62	106.3	1024.9	9.64 B
1	7225	8530	1.181	7225	11220	1.55	2.3	929.4	99.99 B

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8429 ft, a mud weight of 16.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.



Diana Mason <dianawhitney@utah.gov>

CCU 2-1-25-18

Jeff Conley <jconley@utah.gov>

Wed, Nov 20, 2013 at 4:13 PM

To: joy.gardner@fidelityepco.com, Diana Mason <dianawhitney@utah.gov>, Bradley Hill <bradhill@utah.gov>

Cc: Jim Davis <jimdavis1@utah.gov>

Hello,

The following well has been cleared by SITLA for arch and paleo with the requirement that if bedrock is struck during excavation a paleo inspection must be conducted after construction of the site and before installation of a pit liner.

(4301950036) CCU 2-1-25-18

Thanks,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157

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ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator FIDELITY E&P COMPANY
Well Name CCU 2-1-25-18
API Number 43019500360000 **APD No** 8688 **Field/Unit** CANE CREEK
Location: 1/4,1/4 SWSE Sec 2 Tw 25.0S Rng 18.0E 768 FSL 2390 FEL
GPS Coord (UTM) **Surface Owner**

Participants

Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P.

Regional/Local Setting & Topography

Proposed project site is located ~19 miles northwest of Moab Utah, in Grand County Utah. On a regional setting the proposed project is located in the Canyonlands Region of the Colorado Plateau. The Canyonlands Region is renowned for its red rock canyons and spectacular views. Tourism is a growing industry in the region. In close proximity to the proposed project site, Dead Horse State Park, Aches National Park and Canyonlands National Park are popular destinations along with the community of Moab Utah. On a local scale the proposed project site is located near Hell Roaring Canyon and Dubinky Point. Local points of interest include: Gemini Arch, Gemini Bridges, Arths Pasture, Seven mile Canyon, Long Canyon, Dead Horse Point, Horsetheif Point, Mineral Bottoms, Islands in the Sky, Hell Roaring Canyon, Courthouse Rock and Dubinky Point. Topography is typical of the Canyonlands Region: a series of large sandy mesa's abruptly falling off into steep canyons comprised of alternating layers of sandstone and shale. Climatic conditions within the region are arid, and vegetation is typically sparse. The proposed project site is located on a gentle slope consisting of sandy loam soils deposited on sandstone bedrock. Precipitation is considered a 8-10" precept zone. Soils are dominated by Eolian deposits and are predominantly unstable sands and sandy loams. Vegetation would be described as Pinion-Juniper Woodlands and black brush communities. Water drainage is to the southwest, entering Hell Roaring Canyon 2 miles and the Colorado River within 9 miles. No perennial water sources were observed in close proximity to the project site.

Surface Use Plan

Current Surface Use

Grazing
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.25	Width 500 Length 500		NAVWN

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Ephemeral drainage adjacent to proposed project site

Flora / Fauna

Flora

Grass: Muhly spp.

Forbs: Russian thistle, sunflower, primrose, globe mallow, multiple unknown annuals.

Shrubs: Sand sage, Mormon tea, winter fat.

Succulents: Prickly pear cactus spp.

Fauna: Mule deer, big horn sheep, coyote, kit fox, gray fox. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark. . Host of small rodents and reptiles possible such as: Black tailed rabbit, cottontail rabbit, woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, spotted skunk, and antelope squirrel.

Soil Type and Characteristics

Reddish orange sands and sandy loams.

Erosion Issues Y

Soils prone to wind and water erosion once disturbed.

Sedimentation Issues N**Site Stability Issues N**

Site appears suitable for proposed drilling program. Road base may be required on access road and well pad to prevent large dust pockets.

Drainage Diverson Required? N**Berm Required? N****Erosion Sedimentation Control Required? Y**

Seeding should be completed outside of anchors within one year following well pad construction.

Paleo Survey Run? Y Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Oil Base Mud Fluid	15
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)	10 to 20	5

Affected Populations**Presence Nearby Utility Conduits Not Present****0****Final Score****55 1 Sensitivity Level****Characteristics / Requirements**

Proposed drilling system includes the use of a oil based mud drilling system to stabilize hole through Paradox salt zones. As such a reserve pit is being proposed along with a closed loop drilling system for oil based drilling mediums.

Proposed drilling program includes a vertical hole followed by a lateral. Duration to complete drilling program is anticipated to exceed 30 days. Due to prolonged drilling program pit liners shall be inspected weekly to assure integrity.

Reserve pit fluids at sites with comparable drilling programs within the Paradox formation have had TDS in excess of 50,000 mg/l. Additional reclamation steps may be required for materials high in chlorides. Precautions should be taken while drilling to assure salt or detrimental cuttings are not mixed with normal rock cuttings.

Surface formations are members of the Glen Canyon group and are capable of containing fresh water aquifers. Permeability of soils and underlying sandstones is medium to high. Pit liner of 24 ml for reserve pit shall be properly installed with bedding of sand or felt. Tanks and handling equipment containing oil based drilling materials should be underlain with a 20 mil synthetic liner as secondary containment.

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 24 Pit Underlayment Required? Y

Other Observations / Comments

Access road is proposed as a 14' running surface with turnouts. Minimal construction will be completed until well is deemed capable of commercial production. Pit run will be placed at wash crossing and portions of road requiring maintenance during drilling operations.

DOGM noted significant concerns regarding reserve/cuttings pit lining, management and reclamation. Pit contents with TDS in excess of 50,000 mg/l are possible, as such additional stipulations and precautions will be required.

Top 6-12" of top soils should be saved and stockpile on the east and southern sides of the well pad. All disturbed soils shall be seeded within 12 months of disturbance.

Bart Kettle
Evaluator

10/21/2013
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8688	43019500360000	LOCKED	OW	S	No
Operator	FIDELITY E&P COMPANY		Surface Owner-APD		
Well Name	CCU 2-1-25-18		Unit	CANE CREEK	
Field	CANE CREEK		Type of Work	DRILL	
Location	SWSE 2 25S 18E S 768 FSL 2390 FEL GPS Coord (UTM) 595575E 4278939N				

Geologic Statement of Basis

Fidelity E&P Company proposes to drill the well to a total depth of 8,478' and plans to set surface casing from 0'-860'. The surface string will be drilled using an air mist. The proposed well would be spud in sandy soil that has been developed from the erosion of the Navajo Sandstone and the Kayenta formation, which is exposed at the surface at this location. The well location is approximately four miles from the axis of the Cane Creek Anticline. It is reasonable to expect fractures & joints that may result in zones of lost circulation during drilling. There are no underground water rights within one mile of the proposed location. It is unlikely that fresh water will be encountered, at this location, in the Wingate Aquifer. The proposed casing and cementing program should adequately protect any useable groundwater resources encountered during the drilling of this well.

Ammon McDonald
APD Evaluator

11/7/2013
Date / Time

Surface Statement of Basis

On-site evaluation conducted October 21, 2013. In attendance: Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P.

Proposed project is located in an environmentally sensitive region. National Parks, slick rock trails, river rafting and scenic views attract thousands of tourist to the region annually. Due to awareness of mineral exploration in the area it is reasonable to expect scrutiny of drilling operations for proposed project. Operator instructed to monitor drilling operations and ROW activity closely. Problems should be addressed immediately. Steps to limit activity during peak tourist season, and hours of the day are recommended.

DOGM is requiring additional precautions for reserve pit and handling of salt laden and oil base mud cuttings. Slopes of pit walls should not exceed 2:1. Pits shall be lined as determined by site evaluation ranking. The geomembrane shall consist of 24 mil string reinforced LDPE or equivalent liner for reserve pit. The geomembrane liner should be composed of an impervious synthetic material resistant to hydrocarbons, salts and alkaline solutions.

Tanks and equipment handling or storing oil based drilling mediums and chloride laden cuttings will require 20 mil string reinforced geomembrane liner. Liner should be placed over prepared surface containing 12" berms and key trench to secure liner.

Blasting is anticipated for reserve pit, fractured rock should be properly bedded with sand or a felt liner. Liner edges should be secured. Liner should be protected from fluid force or mechanical damage at points of discharge or suction.

Due to anticipated prolonged drilling operations precautions should be taken to prevent punctures from drilling related activities. Weekly inspection of liner should be conducted and recorded. Surface water run off should not be allowed to enter pits.

While drilling three sides of pits should be fenced. Fencing should include reinforced corner braces, 36" woven net wire on the bottom and two strands of barbed wire on top spaced at 6" apart. Following completion of drilling activities pits will require fencing on the fourth side, removal of free standing oil and netting to prevent entry by water fowl.

Pits will require reclamation to be completed one year following the removal of drilling rig. Reclamation measures shall be submitted to DOGM for approval following analysis of pit contents.

Bart Kettle
Onsite Evaluator

10/21/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A geomembrane liner with a minimum thickness of 20 mils shall be properly installed and maintained under tanks and equipment storing or handling oil based drilling fluids or salt laden cuttings. Geomembrane liner shall consist of a string reinforced impervious synthetic material, resistant to hydrocarbons, salts and alkaline solutions.
Pits	A representative sample of drill cuttings shall be collected and analyzed prior to disposal at approved facility.
Pits	A closed loop mud circulation system is required while using oil based drilling mediums.
Pits	Reserve pit liner shall be protected from fluid force or mechanical damage at points of discharge or suction.
Pits	The Division shall be consulted prior to reclamation of reserve pit and drill cuttings.
Pits	Weekly inspections of liners shall be conducted and documented until materials are removed, or reserve pit is reclaimed.
Pits	Fractured rock in reserve pit area or oil based mud handling areas shall be properly bedded.
Pits	Liner edges must be secured.
Pits	The reserve pit shall be fenced upon completion of drilling operations. Netting will be required over pit if it contains hydrocarbons or RCRA-exempt hazardous substances.
Surface	Access road and well pad shall have fresh water applied to control dust as needed.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/3/2013

API NO. ASSIGNED: 43019500360000

WELL NAME: CCU 2-1-25-18

OPERATOR: FIDELITY E&P COMPANY (N3155)

PHONE NUMBER: 720 956-5763

CONTACT: Joy Gardner

PROPOSED LOCATION: SWSE 02 250S 180E

Permit Tech Review: ☒

SURFACE: 0768 FSL 2390 FEL

Engineering Review: ☒

BOTTOM: 0680 FNL 0742 FWL

Geology Review: ☒

COUNTY: GRAND

LATITUDE: 38.65387

LONGITUDE: -109.90160

UTM SURF EASTINGS: 595575.00

NORTHINGS: 4278939.00

FIELD NAME: CANE CREEK

LEASE TYPE: 3 - State

LEASE NUMBER: ML-43326

PROPOSED PRODUCING FORMATION(S): CANE CREEK

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - 190017646/104891324☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Municipal☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: CANE CREEK

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-2

Effective Date:

Siting:

☐ R649-3-11. Directional DrillComments: Presite Completed
IRR SEC:Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmadonald
12 - Cement Volume (3) - hmadonald
23 - Spacing - dmason
27 - Other - bhill

RECEIVED: November 25, 2013



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: CCU 2-1-25-18

API Well Number: 43019500360000

Lease Number: ML-43326

Surface Owner: STATE

Approval Date: 11/25/2013

Issued to:

FIDELITY E&P COMPANY, 1700 Lincoln Street Ste 2800, Denver, CO 80203

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the CANE CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4960' MD in order to place 200' inside intermediate shoe.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar

month

- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read 'J. Rogers', written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1700 Lincoln Street Ste 2800 , Denver, CO, 80203		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2390 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
PHONE NUMBER: 720 931-6459 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/1/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Fidelity Exploration & Production Company requests permission to change the name of this well to: Cane Creek Unit 2-1-25-18		
NAME (PLEASE PRINT) Joy Gardner		PHONE NUMBER 720 956-5763
SIGNATURE N/A		TITLE Sr. Engineering Tech DATE 12/3/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
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PHONE NUMBER: 720 931-6459 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/20/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Fidelity Exploration & Production Company spud the Cane Creek Unit 2-1-25-18 on 1/20/2014. Set 110 feet of 20 inch conductor pipe and cemented with 16 yards Redi Mix.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 28, 2014		
NAME (PLEASE PRINT) Joy Gardner	PHONE NUMBER 720 956-5763	TITLE Sr. Engineering Tech
SIGNATURE N/A	DATE 1/28/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
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PHONE NUMBER: 720 931-6459 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/1/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE TUBING
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Monthly drilling report

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 April 04, 2014

NAME (PLEASE PRINT) Joy Gardner	PHONE NUMBER 720 956-5763	TITLE Sr. Engineering Tech
SIGNATURE N/A	DATE 4/1/2014	



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/24/2014

Report #: 1, DFS: -5.46

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress:

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0		Kick Off Date		Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 3/23/2014 12:00	Report End Date 3/24/2014 06:00	Days From Spud (days) -5.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Preparing to move rig to Cane Creek 2-1-25-18

Operations Summary

Scope down derrick. Rig down equipment for rig move. Clean rig.

Operations Next Report Period

Rig Up & Tear Down

Weather Sunny and Clear	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
12:00	6.00	6.00	1	Prep rig floor and derrick to scope. Remove all sub heaters and lines. Clean sub. Install bridal lines. Scope down derrick. Remove bridal lines. Set Top Drive on dogs. Unspool drill line and cut 35'.	133.0	133.0
18:00	12.00	18.00	1	RD Koomey Skid, Drawworks/Top Drive from VFD, Electrical from back of Sub and HPU House. RD Choke House & Trip Tank Skid. Remove Halliburton HCR Valve from Sub. RD Electric from Day Tank to VFD, Shakers & Pits. Assist with pressure washing. General housekeeping.	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...	Gel (10s) (lb/...	Gel (10m) (lb...	Gel (30m) (lb...	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM			ECD - Manual Entr...	T Flowline (°F)		Comment				

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/25/2014

Report #: 2, DFS: -4.46

Daily Depth Progress:

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)		Kick Off Depth (TVD) (ftKB)	

Daily Operations

Report Start Date 3/24/2014 06:00	Report End Date 3/25/2014 06:00	Days From Spud (days) -4.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Wait on daylight to resume moving rig to CCU 2-1-25-18.

Operations Summary

RDMO.

Operations Next Report Period

Rig Up & Tear Down

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	1	Prep for rig move	133.0	133.0
07:30	10.50	12.00	1	Hold PJSM with Tri-State Trucking. Move Shaker Skid, Accumulator House, Gen Sets, Mud Pumps, Day Tank, Halliburton MPD Equipment to location (wash down all loads before leaving location). Clean matting boards, RD lights. NOTE: Off-Driller Side Hydraulic Ram for raising/lowering Sub not functioning. Wait on new cylinder from Casper, WY.	133.0	133.0
18:00	12.00	24.00	22	Wait on daylight (ram arrived at 22:00 hrs)	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ft/KB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/100)	Gel (10s) (lb/100)	Gel (10m) (lb/100)	Gel (30m) (lb/100)	Filtrate (mL/30s)	FC (1/32")	HTHP Filtrate (lb/100)	HTHP FC (1/32")
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM			ECD - Manual Entry (psi)	T Flowline (°F)		Comment				

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/26/2014

Report #: 3, DFS: -3.46

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress:

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0		Kick Off Date		Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 3/25/2014 06:00	Report End Date 3/26/2014 06:00	Days From Spud (days) -3.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Waiting on daylight

Operations Summary

Set in Backyard, Change out Mast Raising Cylinder, Squat Sub & Lay Down Mast. Move & set up Camps.

Operations Next Report Period

Rig Up & Tear Down

Weather Sunny and Clear	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	13.00	13.00	1	Hold PJSM with Tri-State Trucking, Sterling Crane & Rig Crews. Move rig from Cane Creek 24-2H to CCU 2-1-25-18 location. Spot mud tanks, Mud pumps, VFD House, Trip Tank, Generators and one Suitcase. Lug in electric. Set Matting Boards & Diesel Tank. Move and set up Camps. NOTE: Mast & Sub Raising Cylinder not functioning until 14:30 hrs. Squat Sub @16:30. Derrick layed over @18:00.	133.0	133.0
19:00	11.00	24.00	22	Shut down for night - waiting on daylight.	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ft/KB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...	Gel (10s) (lb...	Gel (10m) (lb...	Gel (30m) (lb...	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM			ECD - Manual Entr...	T Flowline (°F)		Comment				

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/27/2014

Report #: 4, DFS: -2.46

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress:

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 0.00	

Daily Operations

Report Start Date 3/26/2014 06:00	Report End Date 3/27/2014 06:00	Days From Spud (days) -2.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Waiting on daylight - prepare to raise Derrick and Sub.

Operations Summary

Finished moving all rig equipment to CCU 2-1-25-18. Inspect Derrick.

Operations Next Report Period

Rig Up & Tear Down

Weather High winds	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	22	Wait on daylight.	133.0	133.0
07:00	2.00	3.00	22	Inspect Derrick.	133.0	133.0
09:00	11.00	14.00	1	Hold PJSM with Tri-State Trucking, Sterling Crane & Rig Crews. Unpin and split Derrick. Split Subs. Haul Shaker Screen Boxes, Misc Tubulars, Dog House, Derrick, Matting Boards, Center Steel, Subs, HPU, 2 x 400 bbl Uprights, Loader, Cuttings Bin, Pipe Racks & Misc Equipment to CCU 2-1-25-18.	133.0	133.0
20:00	10.00	24.00	22	Wait on daylight.	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lbf...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/28/2014

Report #: 5, DFS: -1.46

Daily Depth Progress:

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 0.00	

Daily Operations

Report Start Date 3/27/2014 06:00	Report End Date 3/28/2014 06:00	Days From Spud (days) -1.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Rigging Up.

Operations Summary

Raise Derrick & Sub. Spot all rig equipment. Change Drawworks Brakes. Hook up electrical to rig floor. Fire Generators. Haul water. Spot Northwestern Air Package.

Operations Next Report Period

Rig Up & Tear Down

Weather
Sunny and Clear

Wellbore
Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	22	Wait on daylight.	133.0	133.0
07:00	11.00	12.00	1	Dress Crown. Raise Mast & Sub (raised @13:00). RU Zeco Gas Buster & Flowline. Spot Hydraulic Catwalk, HPU, Zeco Pre-Mix Tank, NOV Bar Bins, Accumulator House, Parts House, 400 bbl Upright, & Pre-Heat Unit. RU Floor. Set Stairs. RU Driller's Cabin & Drawworks Electrical. Change Out Drawworks Brake Pads. Fire up Generators. Spot and start rigging up Northwestern Air Package.	133.0	133.0
18:00	12.00	24.00	1	RU HPU & Hydraulic Catwalk. Scope & Dress Derrick. Dress Top Drive. Install Weight Bucket.	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/100)	Gel (10s) (lb/100)	Gel (10m) (lb/100)	Gel (30m) (lb/100)	Filtrate (mL/30min)	FC (1/32")	HTHP Filtrat...	HTHP FC (1000psi)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ftKB)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/29/2014

Report #: 6, DFS: -0.46

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress:

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 0.00	

Daily Operations

Report Start Date 3/28/2014 06:00	Report End Date 3/29/2014 06:00	Days From Spud (days) -0.46	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	Daily Depth Progress (ft)
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Operations at Report Time

Picking Up 17-1/2" BHA

Operations Summary

Finish Rigging Up. Perform Pre-Spud Checklist. Start Picking Up 17-1/2" Air Drilling Assy.

*** RIG ON DAY RATE @22:00 HRS 3/28/14 ***

Operations Next Report Period

Drilling

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	12.00	12.00	1	RU Hydraulic Catwalk. Set Pipe Racks. Install Turnbuckles on Conductor. Fill up Mud Pits with Water. Unload 13-3/8" Casing. RU Northwestern Air Package Manifold. Change Out Top Drive Backup Gripper. Function test Mud Pumps.	133.0	133.0
18:00	4.00	16.00	1	Install Cellar Cover. Func test Mud Equip. Finish RU Flowline. Install Mousehole. Prepare Drillstring Handling Equip. Complete Pre-Spud Checklist. *** RIG ON DAY RATE @22:00 HRS 3/28/14 ***	133.0	133.0
22:00	6.50	22.50	22	Install Conductor and Flowline. Install Turnbuckles and center of well. Install 2" . Weld Flowline Braces. Install Blooie and Muffler.	133.0	133.0
04:30	1.50	24.00	22	Rack and Strap BHA. PU and MU 3 stands of 6-1/4" DC's and stand in Derrick.	133.0	133.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/100)	Gel (10s) (lb/100)	Gel (10m) (lb/100)	Gel (30m) (lb/100)	Filtrate (mL/30min)	FC (1/32")	HTHP Filtrat...	HTHP FC (1000psi)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/30/2014

Report #: 7, DFS: 0.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 364.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 0.00	

Daily Operations

Report Start Date 3/29/2014 06:00	Report End Date 3/30/2014 06:00	Days From Spud (days) 0.54	Start Depth (ftKB) 133.0	End Depth (ftKB) 497.0	Daily Depth Progress (ft) 364.00
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Operations at Report Time

Drilling 17-1/2" Surface Hole.

Operations Summary

PU 17-1/2" Air Drilling Assy. Swap camps over to rig power. Repair Flowline leak. Spud Well @17:00 hrs. Drill from 133' to 497'.

Operations Next Report Period

Drilling

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.50	3.50	6	PU & MU 2 stands of 6-1/4" DC's and rack back in derrick. Strap NUMA Hammer. RIH with Hammer and 3 x 8" DC's.	133.0	133.0
09:30	0.50	4.00	22	Test all Northwestern Air Equipment to 1000 psi - Vibrating Hose leaking from Mud Pump to Mud Line. Repair same.	133.0	133.0
10:00	1.50	5.50	6	PU & MU Hammer. Test fire same.	133.0	133.0
11:30	0.50	6.00	10	Survey @100' = 0.25° Inc	133.0	133.0
12:00	1.00	7.00	22	Install Rotating Head Rubber	133.0	133.0
13:00	2.50	9.50	22	Swap camps over to rig power.	133.0	133.0
15:30	1.50	11.00	22	Flowline leaking at Flowline Paddle. Repair same with welder. RU Cellar Pump.	133.0	133.0
17:00	1.00	12.00	2	*** SPUD CCU 2-1-25-18 on 03/29/14 @17:00 hrs *** Hammer Drill 17-1/2" Hole (Air Mist) from 133' to 190'. Air Rate= 2400 SCFM with 260 SPP. Mist Volume @25 bph + 5 gpm Soap + 1 gpm CI + 2 gpm Shale Treat.	133.0	190.0
18:00	1.00	13.00	5	Circ With Mud Pump @ 60 spm Clean Cuttings Out Hole @ 190 Feet	190.0	190.0
19:00	3.00	16.00	2	Hammer Drill 17-1/2" Hole From 190 to 325 (Air Mist) Air Rate= 2400 with 260 psi Mist Volume 25 bph + 5 gpm Soap + 1 gpm CL + 2 gpm Shale Treat	190.0	325.0
22:00	1.50	17.50	6	Short Trip Rack Back 2 Stands 4.5 Drill Pipe and Pick up 2 Stands 6.25 DC and Install Rotating Head	325.0	325.0
23:30	4.50	22.00	2	Hammer Drill 17-1/2" Hole From 325 to 497 (Air Mist) Air Rate = 3600 with 260 psi Mist Volume 25 bph + 5 gpm Soap + 5 gal/hr defoamer + 1 gpm CL + 2 gpm Shale Treat + 5 gal/hr hammer oil	325.0	497.0
04:00	1.50	23.50	6	Short Trip Rack Back 2 Stands 4.5 Drill Pipe and Pick up 2 Stands 6.25 DC and Install Rotating Head	497.0	497.0
05:30	0.50	24.00	10	Attempt to survey @467' - tool reading 67.42° Inc. Will drill another stand and re-attempt survey.	497.0	497.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/100)	Gel (10s) (lb/100)	Gel (10m) (lb/100)	Gel (30m) (lb/100)	Filtrate (mL/30s)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 133.0	Depth Out (ft...) 1,136.0	Drilled (ft) 1,003.00	Date In 3/29/2014 17:00	Date Out 3/30/2014 23:30	Drill Time (hr) 21.25	BHA ROP (ft/hr) 47.2	Rot Time (hr) 21.25	Slide Time (hr)	% Slide Time...	% Rot Time (%) 100.00
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/30/2014

Report #: 7, DFS: 0.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 364.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/31/2014

Report #: 8, DFS: 1.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 639.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Scott Brady	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 21.25	Circulating Hours (hr) 3.50	Job ROP (ft/hr) 47.2	Job ROP Rotating (ft/hr) 47.2	Job ROP Sliding (ft/hr)	Job Rotating % (%) 100.00
Target Depth (ftKB) 13,702.0	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 0.00	

Daily Operations

Report Start Date 3/30/2014 06:00	Report End Date 3/31/2014 06:00	Days From Spud (days) 1.54	Start Depth (ftKB) 497.0	End Depth (ftKB) 1,136.0	Daily Depth Progress (ft) 639.00
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Operations at Report Time

Running 13-3/8" Casing

Operations Summary

Drill 17-1/2" hole from 497' to 1136'. Trip out Hole and Lay Down Bit and Hammer. Rig up Casing Crew and Run 13 3/8" Casing

Operations Next Report Period

Nipple up B.O.P.

Weather

Cloudy

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.00	3.00	2	Hammer Drill 17-1/2" Hole From 497 to 642. Air Rate 3600 SCFM with 260 psi Mist Rate 25 bph+ Soap 5 gph+ 1 gph Cl +2 gph Shale Treat+ 5 gph Hammer Oil + 1 gph Defoamer	497.0	642.0
09:00	0.50	3.50	7	Service Rig	642.0	642.0
09:30	3.75	7.25	2	Hammer Drill 17-1/2" Hole From 642 to 831. Air Rate 4800 SCFM with 420 psi Mist Rate 28 bph+ Soap 5 gph+ 1 gph Cl +2 gph Shale Treat + 5 gph Hammer Oil + 2 gph Defoamer	642.0	831.0
13:15	0.25	7.50	10	Survey @ 797= 0.70°	831.0	831.0
13:30	6.00	13.50	2	Hammer Drill 17-1/2" Hole From 831 to 1136. Air Rate 4800 SCFM with 420 psi Mist Rate 28 bph+ Soap 5 gph + 1 gph Cl + 2 gph Shale Treat + 5 gph Hammer Oil + 2 gph Defoamer	831.0	1,136.0
19:30	0.50	14.00	5	Blow Hole Clean @ 1136 With 4800 SCFM and 420 psi	1,136.0	1,136.0
20:00	0.50	14.50	10	Survey @ 1135= 0.61°	1,136.0	1,136.0
20:30	1.00	15.50	6	Make Short Trip From 1136 to 477 and Trip Back Bottom @ 1136'	1,136.0	1,136.0
21:30	2.00	17.50	5	Blow Hole Clean @ 1136 and Fill Hole With 315 bbls Water	1,136.0	1,136.0
23:30	0.50	18.00	6	Trip out Hole with HWDP From 1136 to 477	1,136.0	1,136.0
00:00	0.50	18.50	22	Pull Rotating Head @ 477	1,136.0	1,136.0
00:30	1.50	20.00	6	Trip out Hole From 477 to Surface and Lay Down Bit and Air Hammer	1,136.0	1,136.0
02:00	4.00	24.00	12	Rig up Wyoming Casing Crews to Run 13 3/8 Casing and Make up Float Shoe and Float Collar and Run Casing to 956 Feet	1,136.0	1,136.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 133.0	Depth Out (ft...) 1,136.0	Drilled (ft) 1,003.00	Date In 3/29/2014 17:00	Date Out 3/30/2014 23:30	Drill Time (hr) 21.25	BHA ROP (ft/hr) 47.2	Rot Time (hr) 21.25	Slide Time (hr)	% Slide Time... 100.00	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: CANE CREEK			
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18			
3. ADDRESS OF OPERATOR: 1700 Lincoln Street Ste 2800 , Denver, CO, 80203		9. API NUMBER: 43019500360000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2390 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. FIELD and POOL or WILDCAT: CANE CREEK			
COUNTY: GRAND		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="gas gathering"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="gas gathering"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="gas gathering"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached project description.					
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 30, 2014					
NAME (PLEASE PRINT) Joy Gardner	PHONE NUMBER 720 956-5763	TITLE Sr. Engineering Tech			
SIGNATURE N/A	DATE 4/15/2014				

Dead Horse Lateral Natural Gas Gathering Lines

Project Description

Fidelity Exploration & Production Company (the Operator) proposes to construct, operate, maintain, and eventually decommission 19 gas gathering lines that would connect current and possibly future wells on 19 well pads in and near the Cane Creek Unit (CCU) to the Dead Horse Lateral (DHL) gas gathering pipeline, which is currently under construction. The produced natural gas would be transported through the DHL pipeline to an approved natural gas processing plant near Blue Hills Road that is also under construction. The natural gas would be compressed and processed for liquids recovery at the gas plant. The sales-grade gas would subsequently be delivered via the existing Greentown pipeline to the existing Northwest pipeline. The gathering lines would remain in operation as long as the Operator's producing wells supply sufficient gas to justify its use. The life of a productive well may last as long as 30 years.

In addition, the Operator proposes to upgrade one Class D road to provide alternate access to existing and future well locations currently being accessed via the Class B Mineral Point Road.

All applicable federal, state, and county regulations and Bureau of Land Management (BLM) conditions of approval would be adhered to during gathering line construction and operation. Construction operations would employ the principles contained in the BLM's *Hydraulic Considerations for Pipelines Crossing Stream Channels* (2007) and *Surface Operating Standards for Oil and Gas Exploration and Development, 4th Edition* (Gold Book) (2007). Cultural, paleontological, and biological resource inventories are in progress, and reports of the findings will be submitted to the BLM prior to the initiation of construction operations.

Design features, environmental protection measures, and safety procedures committed to by the Operator are listed at the end of this project description. Additional safety procedures that would be utilized as part of the DHL gathering system are contained in DOI-BLM-UT-Y010-2013-067-EA, Appendix D (BLM, 2013). If the project is approved, the Operator would utilize an independent 3rd-party compliance monitor to ensure that gathering line construction operations would be conducted in accordance with applicable conditions of approval.

Location and Access

Gathering Lines

Approximately 25 miles of gathering lines (132,056 feet) would be constructed across federal and State of Utah lands in Grand County, Utah, approximately 12 miles west of Moab. The

gathering line routes would be reached by traveling north from Moab along US Highway 191 until reaching State Highway (SH) 313. The gathering lines would tie into the DHL pipeline at various locations along SH 313 and the Dubinky Well Road (See attached maps). New roads would not be constructed to construct the gathering lines. Table 1 shows the lengths of the gathering line routes related to surface ownership. The gathering lines are named according to the name of the well pad from which they originate.

Table 1: Gathering Line Lengths and Land Ownership

Gathering Line	Location	Federal Surface Length (feet)	State Surface Length (feet)	Total
Cane Creek 1-1	T25S-R19E, Sections 1, 2	1,366	987	2,353
Cane Creek 2-1	T25S-R19E, Section 2	0	0	0
Cane Creek Unit 2-1-25-18	T25S-R18E, Section 2	0	1,697	1,697
Cane Creek Unit 7-1	T26S-R20E, Sections 7, 18	10,825 ¹	0	10,825 ¹
Cane Creek 8-1	T26S-R20E, Sections 8, 18	4,101	0	4,101
Cane Creek Unit 12-1	T25S-R19E, Section 11, 12	2,883	0	2,883
Cane Creek Unit 16-2	T24S-R18E, Sections 35, 36 T25S-R18E, Sections 2, 10, 11, 15, 16	10,493	19,937	30,430
Cane Creek Unit 17-1	T26S-R20E, 17, 18	7,660	0	7,660
Cane Creek Unit 18-1	T26S-R20E, Section 18	1,347	0	1,347
Cane Creek 24-1	T26S-R19E, Sections 13, 24	6,336	0	6,336
Cane Creek Unit 26-2	T25S-R19E, Sections 26, 27	9,602	0	9,602
Cane Creek Unit 28-2	T25S-R19E, Section 28	1,111	0	1,111
Cane Creek Unit 32-1-25-19	T25S-R19E, Section 32	0	2,557	2,557
Cane Creek 36-1-25-18	T25S-R18E, Section 36 T25S-R19E, Sections 28, 31, 32, 33	14,207	10,171	24,378
Cane Creek Unit 36-1	T25S-R19E, Section 36 T26S-R19E, Sections 1, 2	140	7,077	7,217
Kane Springs Federal 10-1	T25S-R18E, Section 10	5,509	0	5,509
Kane Springs 19-1A-ST	T26S-R19E, Section 24 T26S-R20E, Sections 19, 30	12,606	0	12,606
Kane Springs Federal 27-1	T25S-R19E, Section 27	34	0	34
Kane Springs Federal 25-19-34-1	T25S-R19E, Section 34	1,410	0	1,410
Total Length by Surface Owner		89,630	42,426	132,056

¹ Includes 2,274 feet within the DHL ROW

Through traffic in both directions would be maintained on SH 313 during construction operations. Through traffic may be temporarily stopped on the Class B Gemini Bridges Road near the intersection with the CCU 2-1 well pad access road to accommodate construction operations where the CCU 36-1 gathering line would cross the road. Gemini Bridges Road

would be closed in this area for approximately three hours total, but would be open at intervals within this time so that traffic could pass the construction area. An additional two-hour period would be needed to trench beneath Gemini Bridges Road and bury the pipeline beneath the road.

Appropriate controls would be in place to warn the public and control traffic while constructing a gathering line adjacent to a road or while constructing a trench across a road. Traffic cones and "construction zone" signs would be used to notify oncoming traffic of construction operations. Flagmen would be placed at either end of the work area if visibility is less than 100 yards. Installation of a gathering line along a Class D road may generally allow vehicles to proceed past construction operations.

Class D Road

The Operator proposes to upgrade an existing Class D road to that would provide access to its leases along Mineral Point Road and bypass Horsethief Campground. The Operator has drilled two wells that currently utilize the Mineral Point Road for access and may drill additional wells in the future that would otherwise utilize Mineral Point Road without the alternate route that the upgraded Class D road would provide. The Class D road is located north of Mineral Point Road and is located entirely on federal surface. It currently intersects Mineral Point Road approximately 1.5 miles west of Horsethief Campground to SH 313 near the CCU 28-2 well pad.

Table 2: Class D Road Upgrade Location and Length

Road Upgrade	Location	Length (feet)
Cane Creek 36-1-25-18	T25S-R19E, Sections 28, 33	7,597

Construction Schedule and Personnel Requirements

The Operator plans to initiate gathering line construction as soon as it receives regulatory approval but anticipates initiating construction in June 2014. Four to five months would be needed to construct all gathering lines. Each gathering line would require 1-2 weeks for construction, depending on its length and terrain considerations. Construction activities would generally occur during daylight hours. Pipeline integrity testing may be performed at night.

Procedures have been developed to ensure that gathering line installation occurs as quickly and safely as possible in a planned sequence of operations along the routes. Two or three construction crews may work simultaneously at different locations to meet the project schedule. Each installation crew would consist of five workers. One 5-person road boring crew would be responsible for the SH 313 crossings.

Gathering Line Design

The design, materials, construction, operation, maintenance, and termination practices of the pipeline would meet or exceed safe and proven engineering practices, industry standards, and would comply with all applicable requirements. These gathering lines have been designed and would be constructed to meet and exceed applicable industry standards, which include, but are not limited to: API 5L, API 6D, API 15 HR, ASTM D2517, ASME 31.8 and ANSI pipeline material standards .

The gathering lines would be installed above and below ground, depending on site conditions along the routes. Buried lines would be constructed of 4.5 or 6.5-inch (outside diameter) Fiberspar (or equivalent), or 8 or 12-inch steel. Aboveground line would be constructed of uncoated steel so that the outside surface would rust. The highest normal operating pressure on the gas gathering system would be 75 pounds per square inch (psi) gauge and would occur at the well site, where it would be limited by mechanical pressure relief valves on the upstream separation equipment. Maintenance operations may temporarily require the normal operating pressure to be exceeded. The pipe wall thickness would ensure sufficient structural integrity for the low-pressure system. Gas production from each well would be measured by an orifice meter. A well pad may require installation of more than one pipe in a trench. If so, these gathering lines would be positioned vertically within a single trench.

All gathering lines would be surveyed in place so that precise locations with respect to adjacent roads and buried depths can be ascertained. The as-built survey would be provided to the BLM at the completion of the project.

Construction Operations

Gathering Line Construction

Equipment needed to install the buried gathering lines would include flatbed trailers, trenching machines, mini-excavators, bulldozers, rotary jackhammers, offset booms, spoolers, cables, water trucks, and pickup trucks. Vehicle traffic during construction operations would include the transportation of materials and heavy equipment, workforce commuting, and daily operation of construction equipment. Installation equipment, pipe, and other construction materials would be hauled to the work site by flatbed semi-tractor trailers and stored temporarily on existing well pads. Pipe would be transported from well pads to strategic locations along a gathering line route within the construction corridor on a daily basis. Construction equipment may be left overnight within the construction corridor but would not be parked overnight on Class B roads. To minimize the introduction of noxious invasive species, the construction contractor would be required to have equipment arrive at construction sites in a clean condition, free of weeds and soil.

The gathering line routes have been located to avoid trees and shrubs as much as possible. Where dead trees are found within a 30-foot construction corridor, the trees would be transported to disturbed areas and mulched. The mulch would be spread over the disturbed areas.

All pipeline installation equipment would operate within a 30-foot construction corridor.

Aboveground Cross-Country Gathering Lines. Some gathering line routes would travel cross-country to minimize impacts to topography, soils, vegetation, and recreation and visual resources. Installing a gathering line aboveground on cross-country routes would prevent visual scarring by eliminating the need to remove the shrub and tree cover that would otherwise result from trenching. The ground surface would not be bladed. Vegetation would not be removed. Trees and cultural resource sites would be avoided.

Aboveground gathering line would be installed using one of two methods. The first method would utilize a cable that would be placed by hand along a cross-country segment of the route. Several sections of the pipe would be welded together on a well pad and attached to the end of the cable. A bulldozer would be stationed at the receiving end to pull the cable and position the welded pipe in place along the route. Pipe segments would be pre-welded on the well pad. Using this procedure, surface disturbance would result only from placing the cable by hand and by dragging the pipeline in place, affecting approximately five feet along the length of the cross-country segment.

Alternatively, pipe segments would be welded on a well pad and pulled along the cross-country route with the use of a single pass of a bulldozer. The ground surface would not be bladed, and trees would be avoided by the bulldozer. An approximate 15-foot drive route would be used by the bulldozer while pulling the gathering line in place.

Buried Gathering Lines adjacent to Roads. Where a gathering line would be buried parallel to a well access road or Class D road, the gathering line would generally be installed immediately adjacent to the 14-foot road running surface. Each gathering line would be installed at least 4 feet deep to ensure a minimum cover of 3 feet below the surface. The top of the trench would be approximately 12 inches in width. It may be necessary to consider installing a gathering line aboveground and adjacent to a Class D road where hard bedrock is extremely hard, in which case one of the two procedures described above would be utilized (cable pull or tractor pull).

Where a gathering line would be installed adjacent to a Class B road, the gathering line and aboveground infrastructure would be installed as far from the centerline of the Class B road as possible while generally remaining within the Class B road ROW. Alternatively, the gathering line would be installed adjacent to the running surface of the Class B road in a trench sufficiently deep to provide a minimum coverage of five feet. Installation of a gathering line at this depth

would allow road maintenance operations to be conducted safely and minimize surface disturbance away from the roadway.

Open trenching would be performed using a trencher, the size of which would be determined by site-specific terrain conditions, soil depth, and hardness of bedrock. Previous testing of a rock sample from the project area determined that most trenching operations would be performed with standard trenching equipment. Where operating on harder bedrock, a trencher may be equipped with a rock wheel. In areas where the rock surface is even harder, a rotary jackhammer may be used to create a trench. If absolutely necessary, bedrock may be blasted using small explosive charges and appropriate public safety measures would be taken.

A small trencher would be used to dig a trench where the terrain provides suitable safe access. Ideally, it would be used on the edge of the running surface of all Class D or access roads and as much as possible on Class B roads where terrain conditions are favorable. If trenching slightly off the road surface, this trencher would permit maximum flexibility in choosing the optimal route to avoid trees and large shrubs. An offset boom, operating on the road, would be used to place the pipe farther off the road running surface. Using the small trencher would not generally require the ground surface to be bladed or graded. The small trencher would use floatation tires with an approximate ground pressure of 20 psi. It would create an approximate 10-foot wide track with the trench centered beneath it. Topsoil and spoils would be mixed and placed on either side of the trench within the trencher tire tracks. Following installation of the pipe, the trench would be backfilled with the materials excavated from the trench using a V-plow equipped with skids so that the ground surface is not gouged. Another pass would compact the surface above the trench. An approximate 15-foot corridor would be affected along the gathering line route if a bulldozer is used.

A large trencher would be used where hard bedrock is encountered. The gathering line route may require grading and/or blading where the terrain is too rough for placement of the trencher. For trenches larger than 18 inches in width, spoils and topsoil would be temporarily placed in the 30-foot construction corridor in piles opposite the working side of the trench. Topsoil, as available, would be stored separately from the spoils and placed in piles adjacent to the spoil piles. After the pipe is lowered in the trench, spoils would be replaced in the trench and compacted. Extra spoil would be placed on top of the trench and spread. Topsoil would be redistributed on top of the spoils. Extra spoil materials may be used to camouflage the appearance of the surface-installed infrastructure from adjacent Class B roads and/or SH 313.

Road crossings would be performed either by open-trenching an unpaved road surface or by boring under the paved SH 313. Any Fiberspar gathering line that would be installed beneath a road would be protected with a steel sleeve. The BLM would be provided with a three-week notice regarding upcoming Class B road crossings. One week prior to the crossing, the Operator

would confer with the BLM to confirm the crossing schedule. At Class B road crossings, the public would be prevented from using the road for up to five hours while the road is being trenched and the pipe installed. If possible, the road would be intermittently re-opened for through public vehicle passage during this time. One mini-excavator would be used at each side of a Class B road crossing in a 30 by 30-foot area, which would be graded and bladed prior to trenching across the road. Topsoil would be stripped and temporarily stored in a small pile within the mini-staging areas. After installation of the pipe, the contours of the mini-staging areas would be restored and topsoil re-spread. Mulch would then be applied.

To avoid disrupting traffic, a horizontal directional drill (HDD) would be used to bore beneath SH 313. The depth of the trench beneath SH 313 would be increased per UDOT regulations. Using the HDD would require two approximate 100 by 100-foot temporary use areas on both sides of SH 313 where the bore would enter and exit the surface. Surface preparation would remove portions of the topsoil, which would be temporarily stored within the disturbance area; however, large shrubs would be retained where possible. The HDD would drill a pilot hole beneath the surface at a depth that maintains minimum coverage requirements, after which the hole would be enlarged with a reamer to a diameter sufficient to accommodate the pipe diameter. A pre-welded and pre-tested section of pipe would be pulled into the hole from the side of the bore hole opposite the drilling equipment.

Buried gathering line segments would be installed at least 4.5 feet below all active wash bottom elevations. Generally, this increased depth would be extended for a distance of half the width of the wash on either side of the wash. For example, if the wash is 20 feet wide, the increased depth would extend 10 feet beyond each side of the wash. Disturbed wash banks would be stabilized with natural erosion control materials including rocks, erosion control blankets, rip rap, or other stabilizing materials.

A hydrostatic pressure test would be performed for each gathering line prior to operation. The gathering lines would be tested to at least 110 percent of maximum operating pressure using up to 465,000 gallons of water (total). The water would be obtained from a permitted source or a private owner that holds valid water rights. Disposal of the test water would be in conformance with applicable state and BLM requirements.

Road Upgrade

Up to 35 feet may be required to upgrade the Class D to an all-weather access road. Upgrading the Class D road would require short re-routes to eliminate sharp corners and allow for safe travel by tractor trailers and tanker trucks. A surveyed route showing proposed modifications to the configuration of the existing road would be provided to the BLM prior to project approval. The upgraded road would require a 14-foot running surface.

The road surface would be bladed and graded. High wash banks would be bladed, and the extra material would be used as fill in the wash bottoms and on adjacent sections of the road. Where slickrock exposures or rocky areas exist along the road, materials remaining from grading would be used to smooth out the surface. Dry wash crossings would be used where possible, but culverts and cattle guards would be installed if necessary to control drainage and livestock movement. Turnouts would be constructed according to Gold Book standards. The Operator would obtain road surfacing materials from permitted sources. Construction would not be conducted during wet conditions when soils are saturated. Approximately seven days would be needed to upgrade the Class D road.

Other Infrastructure

Gathering line infrastructure would include surface and subsurface equipment. All aboveground equipment would be painted shale green, or other flat color specified by the BLM, and would be positioned to be screened from view or blend in with the immediate natural surroundings as much as possible. Where located adjacent to a Class B road or SH 313, the Operator would place the aboveground infrastructure behind trees, shrubs, or rocks, where present. Alternatively, existing soil berms or ridges may be built up or rocks placed to provide visual screening from travelers on an adjacent road.

Subsurface tee and stubs for possible future connections would be installed below the ground surface. Such equipment would be prefabricated off-site and installed within the construction corridor where needed.

Pig receiver and launcher valves would be used to clean and inspect the interior of the gathering lines. Pig receivers or a combination of receiver and launcher valves in a single valve assembly would be installed aboveground along the DHL pipeline ROW or along the gathering line construction corridor where pipe diameter changes. One pig launcher would be installed on each existing well pad. Pig receivers would be installed where a gathering line joins another gathering line or where a gathering line joins the DHL pipeline. In addition to the measures previously described to minimize the visual impacts, the Operator would install low profile in-line valves that are about 1/10 the size of typical pig launchers and receivers. Each pigging valve assembly would be protected by a steel pipe tubing enclosure measuring approximately 3 feet high, 4 feet wide, and 16 feet long. Alternatively, rocks may be brought in and placed nearby to serve as security bollards.

Low point drain valves would be sited at topographic lows along the gathering lines. Produced natural gas typically contains some amount of water, which condenses out of the gas phase as the gas cools. The standing liquids would be collected by a vacuum truck that would be temporarily connected to the gathering line. Low point drain valves would rise approximately 2.5 feet above

the ground surface and would be protected by a 3-foot high, 3-foot wide, 3-foot long pipe enclosure and/or with rocks.

Flares would remain in place at the well pads to be used during maintenance operations that require that a well be taken offline, during which time natural gas would be temporarily flared at the well pad(s) served by the gathering line. Table 3 summarizes the construction details for each gas gathering line.

Table 3: Gathering Line Construction Details ¹

Gathering Line	Well Status	Construction Details
Cane Creek 1-1	Active well.	Connects to the CCU 36-1 gathering line. Buried along well access road. Surface laid cross-country to the CCU 2-1 well pad via cable pull.
Cane Creek 2-1	Active well.	Connects to the CCU 36-1 gathering line, entirely on CCU 2-1 well pad.
Cane Creek Unit 2-1-25-18	Drilling and completion.	Well pad on state surface. Connects to the CCU 16-2 gathering line. Buried along well access road.
Cane Creek Unit 7-1	Active well.	Connects to the DHL pipeline. Buried along well access road and Class D road. Trenched under Long Canyon Road. Bored under SH 313. 2,274 feet within the DHL ROW.
Cane Creek 8-1	Shut-in.	Connects the CCU 8-1 well pad to CCU 18-1 gathering line at CCU 18-1 well pad. Buried along Class D road.
Cane Creek Unit 12-1	Active well.	Connects to the DHL pipeline. Buried along Class D road. Bored under SH 313.
Cane Creek Unit 16-2	APD approved	Well pad on state surface. Connects to DHL pipeline. Surface laid cross-country via bulldozer pull to CCU 10-1 tie-in. Trenched under Class B road.
Cane Creek Unit 17-1	Active well.	Connects to the CCU 18-1 gathering line. Surface laid along Class D road to Long Canyon Road via bulldozer pull. Surface laid cross-country to the CCU 18-1 tie-in via cable pull. Trenched under Long Canyon Road.
Cane Creek Unit 18-1	Active well.	Connects to the CCU 7-1 gathering line. Surface laid cross-country via bulldozer pull.
Cane Creek 24-1	Active well.	Connect to the DHL pipeline. Buried along well access road and Class D road. Also, carries production from the CCU 13-1 well.
Cane Creek Unit 26-2	Active well.	Connects to the DHL pipeline. Buried along well access road, Class D road, and Class B road. Bored beneath SH 313.
Cane Creek Unit 28-2	Active well.	Connects to the DHL pipeline. Buried along well access road.
Cane Creek Unit 32-1-25-19	Drilling and completion.	Connects to the CCU 36-1-25-18 gathering line. Buried along well access road.
Cane Creek 36-1-25-18	Drilling and completion.	Connects to the DHL pipeline. Buried along well access road, Mineral Point Road, and upgraded Class D road. Trenched under Mineral Point Road.
Cane Creek Unit 36-1	Active well.	Connects to the DHL pipeline. Surface laid cross-country via cable pull to the CCU 2-1 well pad. Surface laid cross-country via bulldozer pull to the DHL. Trenched under Gemini Bridges Road. Bored beneath SH 313.
Kane Springs Federal 10-1	Active well.	Connects to the CCU 16-2 gathering line. Buried along Class B road.
Kane Springs 19-1A-ST	Active well.	Connects to the CCU 24-1 gathering line. Buried along well access road and Class D road.
Kane Springs Federal 27-1	Active well.	Connects to the CCU 26-2 gathering line. Buried along well access road.
Kane Springs Federal 25-19-34-1	Active well.	Connects to the DHL pipeline. Buried along well access road. Bored beneath SH 313.

¹ The Long Canyon 1 well is not connected because it no longer produces natural gas.

Routine Maintenance and Operations

The gathering lines would operate 24 hours each day, 365 days a year. The Operator would adhere to applicable pipeline operational and maintenance standards. Although not currently planned, the buried section of the gathering lines may be marked along its route with warning signs that would display the contents of the line and the operator's name and emergency contact information. If the installation of signs is necessary to ensure gathering line safety by identifying the route, the Operator will consult with the BLM to determine sign height necessary for safety and visibility.

The gathering line routes would be routinely patrolled and inspected by personnel on foot or in vehicles to check for problems such as erosion, general condition of the surface, unauthorized encroachment, and any other conditions that could cause a safety hazard or require preventive maintenance. At a minimum, an annual line patrol would detect any integrity issues with the surface facilities. The acquired information would be compiled, cataloged, and filed for the life of the pipeline system.

Gathering lines generally require little maintenance. Valves would be exercised regularly to ensure they will seal when needed. If damage to a gathering line would occur, detailed line break and emergency procedures would be followed. A safety manual developed for the DHL pipeline, including an Emergency Response Plan, would apply to the operation of the gathering lines. Standard emergency procedures include notification protocols, response procedures for fires, explosions, facility damage, adverse weather conditions, civil disorders, and vandalism.

The Operator would periodically inspect the pipeline route and other temporary use areas for the presence of noxious weeds during the first two years following construction activities. If noxious weeds are identified, they would be promptly treated and controlled according to the Operator's approved Pesticide Use Proposal. The Operator would utilize spot-spraying of individual plants as the principal method of control rather than broadcast spraying large areas.

Reclamation

Reclamation operations would be performed in conformance with the Operator's Reclamation Plan for the Dead Horse Lateral Pipeline submitted to the Moab FO in July 2013. The Reclamation Plan emphasizes the importance of pre-disturbance planning, with consideration given to vegetation management, soil management, and facility visibility and describes procedures for topsoil salvage and surface preparation for seeding. All equipment and materials not necessary for gathering line operation and maintenance would be removed from the construction corridor after construction is complete. The surfaces of all unpaved Class B and Class D roads would be restored to existing road conditions after construction is finished.

Reclamation after construction would essentially comprise final reclamation. All surface areas affected by gathering line construction and installation would be reclaimed. Immediate reclamation measures would be taken to stabilize disturbed areas, restore topsoil and encourage vegetative cover, and control erosion. The upgraded road would be reclaimed outside of the running surface. Additional areas needed to trench or bore under roads would be reclaimed. Where salvaged, topsoil would be evenly distributed, mulch applied, as available, and the disturbed area aggressively seeded.

All disturbed areas would be seeded using a certified weed-free seed mix intended to provide a self-sustaining plant community consistent with pre-disturbance vegetation. Seeding would be performed immediately after construction operations are complete. Mulch, silt fencing, waddles, hay bales, and other erosion control devices would be used in areas at risk of soil movement from wind and water erosion.

Reclamation would be determined successful when the basal cover of desirable perennial species is representative of baseline survey conditions or at least 75 percent of the basal cover on adjacent or nearby undisturbed areas where vegetation is in a healthy condition. Actions would be taken to ensure that reclamation standards are met as quickly as reasonably practical and are maintained during the life of the project. During the life of the gathering lines, reclaimed areas receiving incidental disturbance during maintenance activities would be reseeded as soon as practical. Reclaimed areas would be monitored semi-annually. Annual monitoring of the gathering line routes would be documented in conjunction with monitoring the condition of the DHL route. The documentation would be submitted to the BLM by May 1. The report would document the extent to which the reclamation objectives are met. If the standards are not met, a timeline for achievement of the objectives without additional actions would be estimated. Alternatively, actions would be identified needed to meet the objectives and standards.

The gathering lines would be decommissioned following the productive lives of all connected wells. The buried pipe would be left in place; however, pig launchers, receivers, and all aboveground valves/infrastructure would be removed. Areas disturbed during infrastructure removal, would be reclaimed as previously described. The routes would be seeded to re-establish native/desired vegetation. Monitoring and inspections would be performed to achieve the desired objectives.

Surface Disturbance

Surface disturbance would result from the gathering line construction corridors and upgrading the Class D road. Where a gathering line would be installed adjacent to a well access road or Class D road, the 14-foot running surface of the access road would be used for construction operations, reducing the effective disturbance corridor along access roads from 30 feet to 16 feet. Although one lane of a Class B road may be used for construction operations where a gathering

line would be installed adjacent to it, the entire 30-foot construction width was conservatively included in the disturbance estimates. The upgraded Class D road would utilize the 14-footwidth of the existing road plus an additional 21 feet. The 35-foot total construction width for this road would include the surface needed to install the adjacent gathering line. The estimates of construction disturbance include the additional areas need to trench or bore under roads. Approximately 2,274 feet of the CCU 7-1 gathering line route would be placed inside the ROW for the DHL pipeline. Surface disturbance for the DHL pipeline was analyzed in DOI-BLM-UT-Y010-2013-067-EA, and this portion of the gathering line system was not included in the estimate of new surface disturbance.

Infrastructure that would be placed on existing well pads and belowground equipment were not included in the disturbance estimates. Each pigging assembly would affect approximately 0.001 acre and each low point drain would affect approximately 0.0002 acre. They would be positioned at various points along the gathering line routes, would not effectively preclude use of the surface, and are therefore considered incidental disturbance because total disturbance from these facilities would be very low.

Long-term disturbance corresponds to the area that would not be reclaimed after gathering line construction. It consists of the aboveground pig valve assemblies and the low point drain connections. A summary of surface disturbance is provided in Table 4.

Table 4: Alternative A - Surface Disturbance Summary (acres)

Gathering Line	Construction Disturbance (acres)	Reclamation (acres)	Long-term Disturbance (acres)
CCU 1-1	0.4	0.4	0
CCU 2-1	0	0	0
CCU 2-1-25-18	0.6	0.6	0
CCU 7-1	3.7	3.7	0
CCU 8-1	1.5	1.5	0
CCU 12-1	1.5	1.5	0
CCU 16-2	20.0	20.0	0
CCU 17-1	2.3	2.3	0
CCU 18-1	0.5	0.5	0
CCU 24-1	2.3	2.3	0
CCU 26-2	5.2	5.2	0
CCU 28-2	0.4	0.4	0
CCU 32-1-25-19	0.9	0.9	0
CCU 36-1-25-18	13.4	13.4	0
CCU 36-1	2.3	2.3	0
Kane Springs Federal 10-1	3.8	3.8	0
Kane Springs 19-1A-ST	4.6	4.6	0
Kane Springs Federal 27-1	0 ¹	0 ¹	0
Kane Springs Federal 25-19-34-1	1.0	1.0	0
Class D Road Upgrade	3.7	3.7	0
Total	68.1	68.1	0

¹ Approximately 0.01 acre.

Project Design Features and Applicant Commitments

Table 5 summarizes the design features that would be incorporated into project execution. They are intended to provide protection to the environmental resources of the project area.

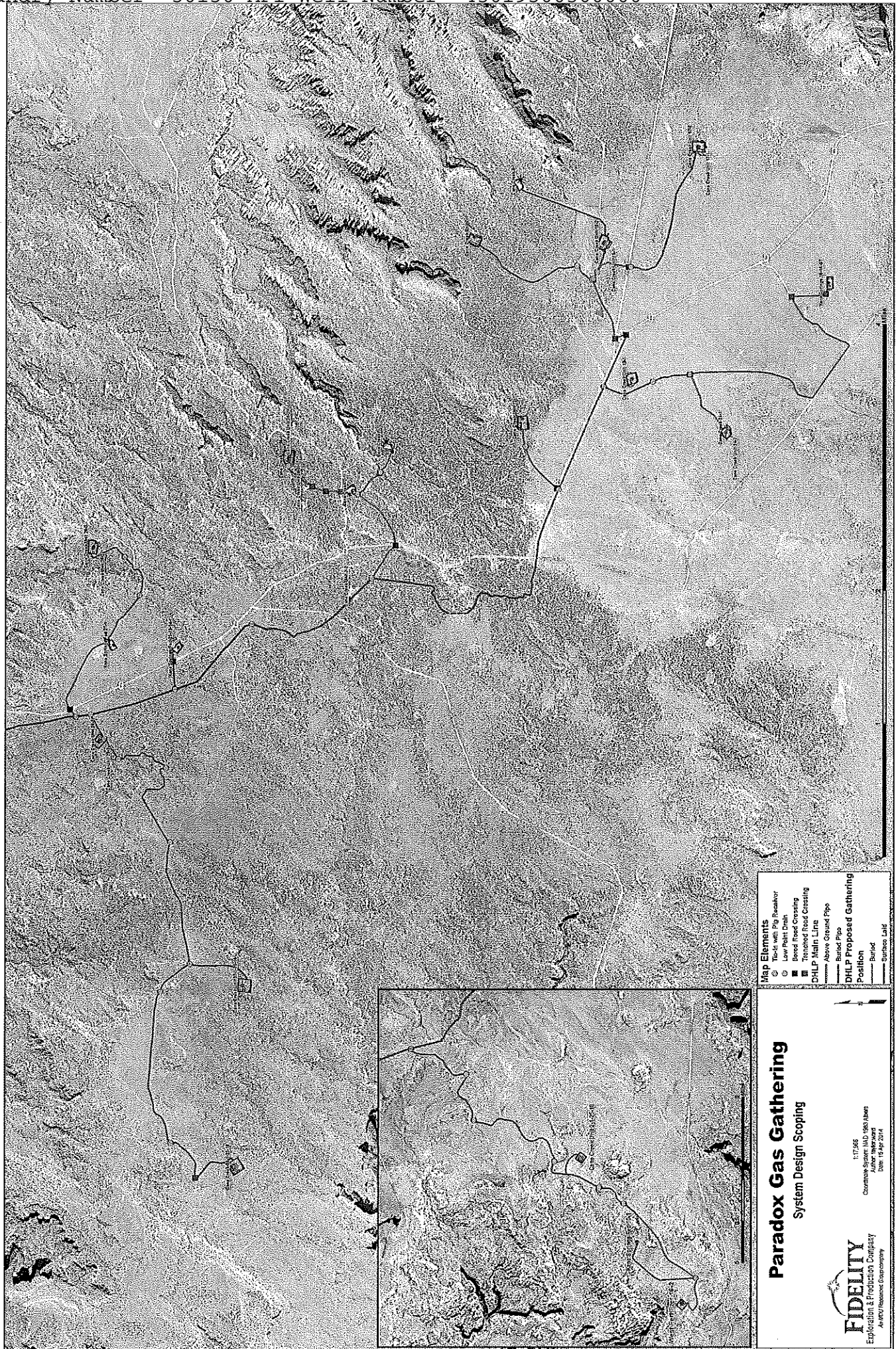
Table 5: Project Design Features and Environmental Protection Measures

Project Design Features
General
The Operator will adhere to all applicable federal, state, county, and BLM regulations, including Conditions of Approval, while performing all operations associated with the Proposed Action.
Construction operations would be conducted in consideration of the <i>Surface Operating Standards for Oil and Gas Exploration and Development, 4th Edition</i> (Gold Book) (USDI and USDA, 2007).
The Operator will follow guidance presented in the BLM publication <i>Hydraulic Considerations for Pipelines Crossing Stream Channels</i> (2007).
The Operator will provide "survey in place" documentation to the BLM to display construction details associated with each gathering line, including surveyed locations and depths of buried pipe.
The Operator will utilize an independent 3 rd -party compliance monitor to ensure that gathering line construction operations would be conducted in accordance with applicable conditions of approval.
The Operator will perform internal inspections of its facilities to ensure that normal operations will be in compliance with the Onshore Orders and other rules and regulations that apply to the project, the Cane Creek Reclamation Plan, and commitments as described in this EA. The Operator will provide an annual report to the BLM describing the progress of its reclamation operations until the BLM agrees that reclamation has been successful.
The Operator will implement hiring policies that would encourage the employment of area residents and, to the extent feasible, will purchase equipment and materials from local area merchants.
Firearms will not be allowed at construction sites, and the Operator's drug, alcohol, and firearms policies will be rigorously enforced.
Access
The Operator will provide a surveyed route to the BLM prior to project approval showing proposed changes to the existing orientation of the Class D road that would be upgraded to bypass the Horsethief Campground.
Where possible, the Operator will utilize the construction corridor of existing access roads for gathering line installation.
The Operator will not inhibit public use of SH 313. Gemini Bridges or Long Canyon Roads may be closed briefly during trench road crossings. Wildlife or livestock movement would not be inhibited.
Where installed adjacent but offset to Class B roads, the Operator will locate the gathering line route as distant from the centerline of the Class B road as possible while saving as many trees as possible. The construction corridor will remain 30 feet wide.
Where installed adjacent to well pad access roads or Class D roads (not maintained by Grand County), the Operator will install the pipeline as close as possible to the access or Class D road.
Where installed below the borrow ditch immediately adjacent to Class B roads, the gathering line will be installed with a minimum of five feet of coverage. A survey "in place" of these lines will confirm the depth below the surface, and will be provided to the BLM and Grand County.
Construction equipment may be left overnight within the construction corridor but would not be parked overnight on Class B roads to ensure public access along these roads.
Air Quality
During construction operations, the Operator will perform dust mitigation with the application of water, as needed.
The Operator will instruct its employees and contractors not to exceed 20 miles per hour on any well access road during construction or normal daily activities to discourage the generation of fugitive dust.
Cultural Resources

Project Design Features
The Operator has conducted Class III cultural resource surveys on undisturbed lands that would be affected by gathering line construction and will avoid all sites determined to be eligible to the National Register of Historic Places. The results of these surveys will be submitted to the BLM.
Construction activities occurring within and near archaeological sites will be monitored by permitted archaeologists. Permitted archaeologists will perform open trench inspection along the entire length of any trenching activities for unexpected discoveries, regardless of the trench location.
Should cultural resources be discovered during construction of the proposed pipeline and associated facilities, all work would stop and the Moab BLM Field Office immediately contacted.
The Operator will prohibit staff and contractors from illegal collection or destruction of cultural resources and will discipline workers violating such policies and laws.
Paleontological Resources
The Operator has conducted a paleontological inventory on State of Utah and BLM lands affected by surface-disturbing activities. The results of the inventory will be submitted to the BLM.
A paleontology monitor would monitor all surface disturbing activities that occur within a Potential Fossil Yield Classification (PFYC) of 5, including the Morrison Formation. Monitoring in areas of PFYC 5 would be performed during ongoing operations, and in some cases extended periods of work may be required, although efforts would be made to complete any fossil recovery with minimal work stoppage. The Mancos Shale would be spot-checked in areas where any trenching or boring is to be done. Spot-check monitoring would be conducted when the Mancos is exposed to view or before pipe is placed and the trench backfilled.
Monitoring would be required for any surface-laid pipe within PFYC 5 areas where there would be blading or grading of the surface more than 12 inches wide AND/OR greater than 1 meter deep. A monitor would spot check for any surface-laid pipe within PFYC 4 areas where there would be blading or grading of the surface more than 12 inches wide AND/OR greater than 1 meter deep.
Areas of PFYC 3 are recommended for spot checks; although this maybe waved in areas that are covered in moderate to deep eolian sediments (3% of the proposed pipeline route is in a PFYC 3 area, with no PFYC 4 currently impacted). These include the Mancos Shale, Navajo Sandstone and the Kayenta Formation. Spot-checking is conducted when the fossil-bearing bedrock is exposed to view or prior to placing spoil material back into the excavation, such as when a pipeline trenching operation is complete but before pipe is placed and the trench backfilled.
Should paleontological resources be discovered during construction of the proposed pipeline and associated facilities, all work would stop and the Moab BLM Field Office immediately contacted.
Recreation and Safety
The Operator will ensure public safety at all times. During construction operations, public access would be maintained on Gemini Bridges and Long Canyon Roads by utilizing just one lane at any particular time so that one lane would remain open, or vehicle traffic would be temporarily routed to detour along the temporary construction ROW. Appropriate controls would be in place during construction within a roadbed or adjacent shoulders of the road to warn the public and control traffic. Traffic cones and "construction zone" signs would be used to warn oncoming traffic of construction operations. Sufficient space would be allowed for passage of a single vehicle. Flagmen would be placed at either end of the work area if visibility is less than 100 yards.
Off-road (cross-country) construction operations, including vehicle movement and travel, will be conducted within the approved temporary construction corridor.

Project Design Features
<p>Although trees will be generally avoided, the Operator will take the following measures to reduce fuel loads and prevent possible fires:</p> <p>While performing construction operations, if any standing live or dead trees were to be damaged, cut down, or knocked over by grading or construction equipment, the Operator will take actions to mitigate the fuel loads from resultant slash. In areas where reclamation of the site would be expected and slash would be utilized to help reclaim the site, the Operator may temporary stockpile slash until termination of this activity.</p> <p>Disposal actions include chipping materials on site with dispersal along the road or pad edge. Disposal of materials will be conducted with the following stipulations:</p> <ol style="list-style-type: none"> The BLM would pre-approve the disposal location. Piled vegetation will not be within 15 feet of standing live trees.
Soils and Vegetation
<p>The Operator will use the reclamation plan developed for the DHL PL to direct reclamation operations on each gathering line to ensure that reclamation operations meet acceptable standards. The Operator will monitor reclamation progress semi-annually and provide the BLM with an annual report detailing reclamation status.</p>
<p>The Operator's reclamation performance goals include:</p> <ul style="list-style-type: none"> Preserving the viable use of topsoil; Re-establishing vegetation; and Minimizing visual impacts resulting from bare ground and the appearance of slopes created during construction operations.
<p>Reclamation of the gathering line construction corridors will begin as soon as practicable after line installation</p>
<p>The Operator will re-distribute topsoil and re-seed as much of a gathering line construction corridor as possible to maintain topsoil viability and revegetate bare ground.</p>
<p>Reclaimed areas above buried gathering lines receiving incidental disturbance during maintenance activities will be reseeded as soon as practical with a seed mix approved by the BLM.</p>
<p>The Operator will power-wash construction equipment prior to entry into the project area.</p>
<p>The Operator will monitor growth of invasive species resulting from surface disturbance caused by project activities and will control weeds by the application of commercial herbicides in accordance with its approved Pesticide Use Proposal.</p>
<p>The Operator will conduct pre-construction briefings during which the field crew would be educated to identify and avoid soil crusts where possible.</p>
Surface Water
<p>The Operator will utilize best management practices for control of nonpoint sources of water pollution to prevent soil erosion, sedimentation, and damage to floodplains of drainages that transport ephemeral water.</p>
Visual Resources
<p>The Operator will paint all permanent aboveground structures (onsite 6 months or longer), constructed or installed, Shale Green or a flat, nonreflective color as determined by the BLM.</p>
<p>The Operator will install low profile in-line pigging valves that are about 1/10 the size of typical pigging valves in order to minimize the visual impacts of surface equipment.</p>
<p>Where aboveground equipment would be located adjacent to a Class B road or SH 313 in VRM II areas, the Operator will place the aboveground gathering line equipment behind trees, shrubs, and rocks, where present, to prevent viewing by travelers on the road as much as possible to assist in maintaining consistency with the VRM II objective which allows activities to be seen but diminishes the likelihood of attracting the attention of a casual observer. Where trees or rocks are not available in the vicinity of aboveground gathering equipment, the Operator will bring in natural materials to place between the Class B road or SH 313 and the equipment to discourage a direct</p>

Project Design Features
view of the equipment.
Existing roads will be used for construction purposes and vehicle access for inspections and maintenance. Using designated routes for construction and inspection purposes would prevent unnecessary and unintended adverse effects to soils, vegetation, and visual resources.
If the installation of signs is necessary to ensure gathering line safety by identifying the route, the Operator will consult with the BLM to determine sign height necessary for safety and visibility.
Wildlife
During the spring of 2014, an approved biological contractor is conducting raptor surveys for the presence of active nests in the vicinity of the proposed gathering line routes. If an active nest is found, applicable spatial and seasonal buffers will be applied to construction operations until the nest is fledged. The results of the survey will be provided to the BLM.
The Operator will any conduct additional biological resource surveys as directed by the BLM.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1700 Lincoln Street Ste 2800 , Denver, CO, 80203		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2390 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
PHONE NUMBER: 720 931-6459 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/5/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Please see the attached drilling report for the month of April

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 May 06, 2014

NAME (PLEASE PRINT) Joy Gardner	PHONE NUMBER 720 956-5763	TITLE Sr. Engineering Tech
SIGNATURE N/A	DATE 5/6/2014	



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/1/2014

Report #: 9, DFS: 2.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 3/31/2014 06:00	Report End Date 4/1/2014 06:00	Days From Spud (days) 2.54	Start Depth (ftKB) 1,136.0	End Depth (ftKB) 1,136.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

NU 13-5/8" 10M Cameron 'B' Section Wellhead

Operations Summary

Run 13-3/8" Surface Csg to 1128' and cement same. WOC. Perform Cement Top Out. Install & Test Cameron 13-5/8" 5M 'A' Section Wellhead.

Operations Next Report Period

Test B.O.P.

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	12	Finish running 13-3/8" 54.5 ppf J-55 BTC R-3 Casing to 1128' (26 joints total).	1,136.0	1,136.0
06:30	1.50	2.00	5	Circ hole with water while RD Wyoming Casing Crew and RU Baker Hughes Cementers.	1,136.0	1,136.0
08:00	2.00	4.00	12	Hold PJSM with Baker Hughes & Rig Crew. Test lines to 3000 psi. Cement 13-3/8" Surface Casing as follows: Pumped 20 bbl FW Spacer. Mix & pump 225 bbls (627 sks) 12.3 ppg Lead Slurry (2.02 cu ft yield, 10.46 gps mix water) + 0.004% bwoc Static Free + 3% bwoc CaCl2 + 0.25 lbs/sk Cello Flake + 5 lbs/sk LCM-1 + 8% bwoc Bentonite + 0.4% bwoc FL-52A. Follow with 56 bbls (228 sks) 14.6 ppg Tail Slurry (1.38 cu ft yield, 6.64 gps mix water) + 0.004% bwoc Static Free + 1% bwoc CaCl2 + 0.25 lbs/sk Cello Flake + 0.2% bwoc FL-52A. Drop Top plug & displace with 169 bbls FW (2 bbls over calculated displacement). FCP= 410 psi. Bump Plug @810 psi. Check floats - OK (bled back 1.5 bbls). Had +/- 100 bbls of cement to surface.	1,136.0	1,136.0
10:00	0.50	4.50	22	Flush cement from lines.	1,136.0	1,136.0
10:30	6.00	10.50	13	WOC. ND Flowline. Pull Mousehole. RD Hydraulic Catwalk and move same. RD Turnbuckles.	1,136.0	1,136.0
16:30	3.50	14.00	14	Cut 20" Conductor & LD same. Cement fell 100' below ground level.	1,136.0	1,136.0
20:00	6.50	20.50	14	Rough cut 13-3/8" Casing. Make final cut on 13-3/8" Casing and LD same. Weld on Cameron 13-5/8" 5M SOW Wellhead. Test to 1000 psi with nitrogen for 10 minutes.	1,136.0	1,136.0
02:30	1.50	22.00	12	Hold PJSM with Halliburton Cementers. RU same. Perform 13-3/8" Surface Csg Top Out as follows: Mix & pump 13 bbls (98 sks) 15.8 ppg HalCem Cement (1.15 yield, 5.0 gps mix water) + 1% CaCl2 through 1" tubing. RD Halliburton.	1,136.0	1,136.0
04:00	1.00	23.00	13	Monitor cement. Cement remained at surface. RD Halliburton.	1,136.0	1,136.0
05:00	1.00	24.00	14	NU Cameron 13-5/8" 10M 'B' Section Wellhead	1,136.0	1,136.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/1/2014

Report #: 9, DFS: 2.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/2/2014

Report #: 10, DFS: 3.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036		Excaliber ID 74*31446		Well Area Paradox		Basin Paradox Basin		Regulatory Field Name Cane Creek		Well Configuration Type Horizontal		
County Grand		State/Province UT		Graded Ground Elevation (ft) 5,152.00		KB-Ground Distance (ft) 23.00		Spud Date 1/25/2014 00:00		Rig Release Date		
Operator Fidelity E&P						Surface Legal Location Section 2 25S R18E						
Rig Nabors Drilling M38		Company Man/Well Site Lead Doug Long		Rig Email Address NaborsM38@fidelityepco.com			Rig Phone Number (970) 361-3297		Rig Release Previous Well 3/23/2014 12:00		Rig Release Date	
Drilling Hours (hr) 441.25		Circulating Hours (hr) 64.00		Job ROP (ft/hr) 30.6		Job ROP Rotating (ft/hr) 39.0		Job ROP Sliding (ft/hr) 9.5		Job Rotating % (%) 71.56		Total Job Percent Sliding (%) 28.44
Target Depth (ftKB) 13,702.0			Kick Off Date 4/21/2014				Kick Off Depth (ftKB) 7,543.0			Kick Off Depth (TVD) (ftKB)		

Daily Operations

Report Start Date 4/1/2014 06:00	Report End Date 4/2/2014 06:00	Days From Spud (days) 3.54	Start Depth (ftKB) 1,136.0	End Depth (ftKB) 1,136.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Testing 13-3/8" Casing.

Operations Summary

Install 13-5/8" 'B' Section WH. NU & Test BOPE. Test 13-3/8" Surface Csg. Welder Modifying Flowline.

Operations Next Report Period

Drilling

Weather

Rain

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	6.00	6.00	14	Finish installing Cameron 13-5/8" 'B' Section Wellhead. NU 13-5/8" 5M x 13-5/8" 10M Adapter Spool, 13-5/8" 10M Single Gate Rams, 13-5/8" 10M Double Gate Rams, 13-5/8" 10M Annular & Halliburton Rotating Head. NU Halliburton Orbit Valve to Rotating Head. Set Hydraulic Catwalk in place with Bed Truck.	1,136.0	1,136.0
12:00	6.00	12.00	14	Install HCR Manifold. NU Choke & Kill Lines. Install Coflex Hose. Assist Welder with Modifying Flowline.	1,136.0	1,136.0
18:00	4.00	16.00	14	Hook up Koomey fittings and lines. Install remaining part of Flowline. Install Turnbuckles.	1,136.0	1,136.0
22:00	8.00	24.00	15	Test BOPE (except Annular) to 250 psi low for 5 min/ 5000 psi high for 10 min - Good test. Test Annular to 250 psi low for 5 min/ 4000 psi high for 10 min - Good test. Test 13-3/8" Casing to 1900 psi for 30 min - Good test. Rack and strap 30 jts of 4-1/2" HWDP.	1,136.0	1,136.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/ft...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/3/2014

Report #: 11, DFS: 4.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 859.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/2/2014 06:00	Report End Date 4/3/2014 06:00	Days From Spud (days) 4.54	Start Depth (ftKB) 1,136.0	End Depth (ftKB) 1,995.0	Daily Depth Progress (ft) 859.00
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Operations at Report Time

Air Drill 12.25 Hole From 1136 to 1995

Operations Summary

Install Wear Bushing and Strap BHA Pick up 12.25 Bit and Air Hammer Install Rotating Head and Install Mouse Hole TIH From Surface to 1089 Welder Install 2' Collars For Air Bleed Off Lines Drill Out Float Collar and Float Shoe Drill From 1136 to 1614 Wash Out Orbit Valve on Flow Line Remove Orbit Valve and Install Flow Line TIH From 1015 to 1614 and Drill From 1614 to 1995

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	22	Install Wear Bushing	1,136.0	1,136.0
07:00	1.75	2.75	6	Pick up 12.25 Bit and Air Hammer and Function Test Same	1,136.0	1,136.0
08:45	0.75	3.50	6	Trip in Hole with Bit and Air Hammer and BHA	1,136.0	1,136.0
09:30	0.50	4.00	7	Service Rig and Top Drive	1,136.0	1,136.0
10:00	1.00	5.00	22	Install Mouse Hole and Rotating Head	1,136.0	1,136.0
11:00	1.00	6.00	6	Trip in Hole From 477 to 1069 Tag Cement @ 1069	1,136.0	1,136.0
12:00	0.50	6.50	22	Weld 2" Collars in Flow Line For Mud Loggers Gas Indicator	1,136.0	1,136.0
12:30	1.00	7.50	2	Blow Well Dry @ 1069 and Drill out Float Collar and Float Shoe Was @ 1127	1,136.0	1,136.0
13:30	4.50	12.00	2	Hammer Drill 12.25 Hole From 1136 to 1471 (Air Mist) Air Rate = 3600 SCFM with 380 psi Mist Volume 20 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 5 gph Hammer Oil + 5 gph Defoamer	1,136.0	1,471.0
18:00	1.50	13.50	2	Hammer Drill 12.25 Hole From 1471 to 1614 (Air Mist) Air Rate = 3600 SCFM with 380 psi Mist Volume 20 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 5 gph Hammer Oil + 5 gph Defoamer	1,471.0	1,614.0
19:30	1.00	14.50	6	Trip out Hole From 1614 to 1015 to Remove Wash out Orbit Valve	1,614.0	1,614.0
20:30	4.00	18.50	22	Remove Orbit Valve on Flow Line and Install Flow Line to Rotating Head Had Welder Install New Pad Eye	1,614.0	1,614.0
00:30	0.50	19.00	6	Trip in Hole From 1015 to 1614	1,614.0	1,614.0
01:00	0.50	19.50	2	Hammer Drill 12.25 Hole From 1614 to 1717 (Air Mist) Air Rate = 3600 SCFM with 380 psi Mist Volume 20 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 5 gph Hammer Oil + 5 gph Defoamer	1,614.0	1,717.0
01:30	0.50	20.00	10	Survey @ 1437 Deg 0.41 and Survey @ 1687 Deg 1.00	1,717.0	1,717.0
02:00	4.00	24.00	2	Hammer Drill 12.25 Hole From 1717 to 1995 (Air Mist) Air Rate = 3600 SCFM with 420 psi Mist Volume 15 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 5 gph Hammer Oil + 5 gph Defoamer	1,717.0	1,995.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...	Gel (10m) (lb...	Gel (30m) (lb...	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 1,136.0	Depth Out (ft... 4,304.0	Drilled (ft) 3,168.00	Date In 4/2/2014 13:30	Date Out 4/5/2014 06:00	Drill Time (hr) 53.50	BHA ROP (ft/hr) 59.2	Rot Time (hr) 53.50	Slide Time (hr)	% Slide Time...	% Rot Time (%) 100.00
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/3/2014

Report #: 11, DFS: 4.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 859.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/4/2014

Report #: 12, DFS: 5.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,400.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/3/2014 06:00	Report End Date 4/4/2014 06:00	Days From Spud (days) 5.54	Start Depth (ftKB) 1,995.0	End Depth (ftKB) 3,395.0	Daily Depth Progress (ft) 1,400.00
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Operations at Report Time

Air Drill 12.25 Hole From 1995 to 3395

Operations Summary

We are drilling ahead at 3361'. ROP is 40-50 ft/hr. We are drilling with air mist. We are drilling in the Honaker Trail formation. The top of the Honaker Trail was picked at 3026'. We had a color change yesterday afternoon which was not the Pennsylvanian. The formation changed back to red sand and siltstones. Samples are 70% Limestone, 20% black shale, 10% sandstone. We are seeing near zero for gas. We are drilling with 3600 CFM air, 12 bbl/hr H2O, 5 G/hr soap. Survey @ 2876 Deg .41

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.50	2.50	2	Hammer Drill 12.25 Hole From 1,995' to 2,184' (Air Mist) Air Rate = 3600 SCFM with 420 psi Mist Volume 16 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	1,995.0	2,184.0
08:30	0.50	3.00	10	Survey @ 2,180 (1.18 Degree)	2,184.0	2,184.0
09:00	9.00	12.00	2	Hammer Drill 12.25 Hole From 2,184' to 2,870' (Air Mist) Air Rate = 3600 SCFM with 420 psi Mist Volume 16 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	2,184.0	2,876.0
18:00	1.00	13.00	10	Circ Hole Clean and Run Survey @ 2626 Deg .50 and Survey @ 2876 Deg .41	2,876.0	2,876.0
19:00	5.00	18.00	2	Hammer Drill 12.25 Hole From 2876 to 3162 (Air Mist) Air Rate = 3600 SCFM with 4480 psi Mist Volume 20 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	2,876.0	3,162.0
00:00	0.50	18.50	7	Service Rig and Top Drive and Check Brakes	3,162.0	3,162.0
00:30	5.50	24.00	2	Hammer Drill 12.25 Hole From 3162 to 3395 (Air Mist) Air Rate = 3600 SCFM with 480 psi Mist Volume 20 bph + 5 gph Soap + 2 gph Cl + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	3,162.0	3,395.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	PF (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 1,136.0	Depth Out (ft...) 4,304.0	Drilled (ft) 3,168.00	Date In 4/2/2014 13:30	Date Out 4/5/2014 06:00	Drill Time (hr) 53.50	BHA ROP (ft/hr) 59.2	Rot Time (hr) 53.50	Slide Time (hr)	% Slide Time... 100.00	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/5/2014

Report #: 13, DFS: 6.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 909.00

API/UWI 43-019-50036	Excelsior ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/4/2014 06:00	Report End Date 4/5/2014 06:00	Days From Spud (days) 6.54	Start Depth (ftKB) 3,395.0	End Depth (ftKB) 4,304.0	Daily Depth Progress (ft) 909.00
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Operations at Report Time

Blow 12.25 Hole Clean @ 4304 and Fill Hole With 633 bbls Water

Operations Summary

Drilled to 4304'. The hammer stopped working. We will TOH. ROP was 40-50 ft/hr. We were drilling with air mist. We are in the Honaker Trail formation. Sample from 4250-4304' was 100% Limestone. We are seeing near zero for gas. We were drilling with 4800 CFM air, 15 bbl/hr H2O, 5 Gal/hr soap. We will pick up a mudmotor and tri-cone bit to finish the 12 1/4" hole section. TD for the 12 1/4" hole will be 20' into Salt # 2 at about 5172'

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	2	Hammer Drill 12.25 Hole From 3,395' to 3,452' (Air Mist) Air Rate = 3600 SCFM with 480 psi Mist Volume 20 bph + 5 gph Soap + 2 gph CI + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	3,395.0	3,452.0
07:00	0.50	1.50	10	Survey @ 3,450' (.29 Degree)	3,452.0	3,452.0
07:30	2.50	4.00	2	Hammer Drill 12.25 Hole From 3,452' to 3,548' (Air Mist) Air Rate = 3600 SCFM with 480 psi Mist Volume 20 bph + 5 gph Soap + 2 gph CI + 2 gph Shale Treat + 7 gph Hammer Oil + 7 gph Defoamer	3,452.0	3,548.0
10:00	1.00	5.00	7	Service Rig and Top drive (Unload Hole Build Mist)	3,548.0	3,548.0
11:00	10.00	15.00	2	Hammer Drill 12.25 Hole From 3,548' to 4027' (Air Mist) Air Rate = 4800 SCFM with 575 psi Mist Volume 17 bph + 8 gph Soap + 8 gph CI + 2 gph Shale Treat + 7 gph Hammer Oil + 8 gph Defoamer	3,548.0	4,027.0
21:00	1.00	16.00	10	Survey @ 3747 Deg .39 and Survey @ 3997 Deg .44	4,027.0	4,027.0
22:00	6.00	22.00	2	Hammer Drill 12.25 Hole From 4027' to 4304' (Air Mist) Air Rate = 4800 SCFM with 575 psi Mist Volume 17 bph + 8 gph Soap + 8 gph CI + 2 gph Shale Treat + 7 gph Hammer Oil + 8 gph Defoamer	4,027.0	4,304.0
04:00	2.00	24.00	5	Circ and Blow Hole Clean @ 4304 and Fill Hole With 633 bbls Water	4,304.0	4,304.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	PF (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 1,136.0	Depth Out (ft...) 4,304.0	Drilled (ft) 3,168.00	Date In 4/2/2014 13:30	Date Out 4/5/2014 06:00	Drill Time (hr) 53.50	BHA ROP (ft/hr) 59.2	Rot Time (hr) 53.50	Slide Time (hr)	% Slide Time... 100.00	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/6/2014

Report #: 14, DFS: 7.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 214.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/5/2014 06:00	Report End Date 4/6/2014 06:00	Days From Spud (days) 7.54	Start Depth (ftKB) 4,303.0	End Depth (ftKB) 4,517.0	Daily Depth Progress (ft) 214.00
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Operations at Report Time

Drilling 12.25 Hole with Mud Motor

Operations Summary

We are drilling ahead at 4517'. We have a tri-cone bit and mud motor in the hole. We are drilling with aerated water. We are in the Honaker Trail Formation. The last sample from 4400'-4450' was 80% Limestone and 20% sandstone. We are seeing near zero for gas readings. We saw no trip gas. TD for the 12 1/4" hole will be 20' into Salt # 2, at about 5172'

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	5	Condition Hole with water Before POOH with Hammer.	4,303.0	4,303.0
07:00	3.00	4.00	6	Trip Out of hole F/ 4,303' to lay-down Failed Air Hammer (Pumping Calculated Fill every 15 Stands)	4,303.0	4,303.0
10:00	1.50	5.50	6	Brake out BHA - Rack 4 stands Of 6" Drill Collars, 1 Stand of 8" collars and Brake out hammer and hammer bit. (While Laying Down BHA Noticed The Annular Rubber was not open all the way.)	4,303.0	4,303.0
11:30	4.00	9.50	8	Trouble Shooting Annular Not Opening Correctly	4,303.0	4,303.0
15:30	0.50	10.00	7	Service Rig and Top drive.	4,303.0	4,303.0
16:00	2.00	12.00	6	Make up 12.-1/4 Bit, Bit sub and Straight hole mud motor and Pick up two 8" Drill Collars	4,303.0	4,303.0
18:00	3.50	15.50	6	Trip in Hole From Surface to 4303	4,303.0	4,303.0
21:30	1.50	17.00	5	Blow Hole Clean and Unload 12.25 Hole @ 4303 with 250 GPM with 2400 SCFM	4,303.0	4,303.0
23:00	7.00	24.00	2	Drill 12.25 Hole With Mud Motor From 4303 to 4517 with 230 gpm+ 2400 SCFM add 2 gph CI + 5 gph Defoamer + 2 gph shale Treat Rt/ 3-4k Spp 500 to 600 psi	4,303.0	4,378.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
1,136.0	4,304.0	3,168.00	4/2/2014 13:30	4/5/2014 06:00	53.50	59.2	53.50			100.00
Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
4,303.0	5,060.0	757.00	4/5/2014 21:30	4/7/2014 06:00	20.00	37.9	20.00			100.00

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/7/2014

Report #: 15, DFS: 8.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 543.00

API/UWI 43-019-50036	Excilber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/6/2014 06:00	Report End Date 4/7/2014 06:00	Days From Spud (days) 8.54	Start Depth (ftKB) 4,517.0	End Depth (ftKB) 5,060.0	Daily Depth Progress (ft) 543.00
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Operations at Report Time

Wash and Ream From 4950 to 5060

Operations Summary

We drilled to 5060'. We are at 9 5/8" intermediate casing point. We drilled 47' into Salt # 2. We had a good correlation with drill time vs. Salt # 1, Clastic #1, and Salt # 2. The tri cone bit was drilling the salt at up to 200 ft/hr. The last sample from 5046'-5060' was 50% Black Shale and 50% up hole sand caging. We saw 29 units of gas from Black shale in Clastic # 1. One and a half hours after we reached TD, we saw a brief gas increase to 1046 units

Operations Next Report Period

Run Casing & Cement

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	7.50	7.50	2	Drill 12.25 Hole With Mud Motor From 4,517' to 4,765' with 230 gpm+ 2400 SCFM add 2 gph Cl + 5 gph Defoamer + 2 gph shale Treat Rt/ 3-4k Spp 500 to 600 psi	4,517.0	4,765.0
13:30	0.50	8.00	22	Tighten Rotating Head.	4,765.0	4,765.0
14:00	5.50	13.50	2	Drill 12.25 Hole With Mud Motor From 4,765' to 5046' with 230 gpm+ 2400 SCFM add 2 gph Cl + 5 gph Defoamer + 2 gph shale Treat Rt/ 3-4k Spp 500 to 600 psi	4,765.0	5,046.0
19:30	1.00	14.50	5	Circ Samples @ 5046 For Mud Loggers	5,046.0	5,046.0
20:30	0.50	15.00	2	Drill 12.25 Hole With Mud Motor From 5046' to 5060' with 230 gpm+ 2400 SCFM add 2 gph Cl + 5 gph Defoamer + 2 gph shale Treat Rt/ 3-4k Spp 500 to 600 psi	5,046.0	5,060.0
21:00	1.50	16.50	5	T.D 12.25 Hole @ 5060 and Circ Hole Clean with 260 gpm Air Rate 2400 SCFM = 690 Psi (CALL Bart Kettle with State UT @ 1700 Hrs on 4-6-14 About Running 9 5/8 Casing and Cement)	5,060.0	5,060.0
22:30	3.50	20.00	5	Circ @ 5060 and Load 12.25 Hole with Water Circ two Bottoms up Pump 1340 bbls Water Max Gas 1080 Units Spot 80 bbls Hi Vis Pill on Bottom and Flow Check Well	5,060.0	5,060.0
02:00	0.50	20.50	10	Survey @ 4761 Deg .28 and Survey @ 5011 Deg .77	5,060.0	5,060.0
02:30	3.00	23.50	6	Make Short Trip From 5060 to 1128 and Trip Back to Bottom Tag @ 4950	5,060.0	5,060.0
05:30	0.50	24.00	3	Tag @ 4950 Wash and Ream From 4950 to 5060 Pump 350 gpm	5,060.0	5,060.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 4,303.0	Depth Out (ft...) 5,060.0	Drilled (ft) 757.00	Date In 4/5/2014 21:30	Date Out 4/7/2014 06:00	Drill Time (hr) 20.00	BHA ROP (ft/hr) 37.9	Rot Time (hr) 20.00	Slide Time (hr)	% Slide Time...	% Rot Time (%) 100.00
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/8/2014

Report #: 16, DFS: 9.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/7/2014 06:00	Report End Date 4/8/2014 06:00	Days From Spud (days) 9.54	Start Depth (ftKB) 5,060.0	End Depth (ftKB) 5,060.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Running 9 5/8 Casing @ 4040 Feet

Operations Summary

Wash and Ream From 4976 to 5060 Circ Hole Clean @ 5060 Trip out Hole From 5060 to Surface Lay Down 8" Drill Collars and Mud Motor and 12.25" Bit Rig up Casing Crew and Change Swivel Packing and Pick up 9 5/8" Casing and Run Casing to 4040 Feet

Operations Next Report Period

Test B.O.P.

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	3	Wash and Ream F/ 4,976' T/ 5,060' Due to Tight Hole.	5,060.0	5,060.0
06:30	1.00	1.50	5	Circulate Bottoms up Max Gas 340 units, Spot 60 bbl High Vis Pill.	5,060.0	5,060.0
07:30	3.00	4.50	6	Trip out of hole 31 stands DP. + 17 stands of HWDP, and Remove Rotating Head.	5,060.0	5,060.0
10:30	4.00	8.50	6	Lay Down BHA - Rack 6" Drill Collars and Brake out 8" Collars Jars, Shock sub, Flt sub, Mud Motor and Bit.	5,060.0	5,060.0
14:30	1.00	9.50	23	Remove Ware Bushing, Install Trip Nipple and Pick up 9-5/8 Landing Joint Run In hole and Mark where it lands out. (Cameron Rep)	5,060.0	5,060.0
15:30	2.50	12.00	12	P.J.S.M. With Wyoming Casing Crew and all Parties Involved, Rig Up Casing Running Equipment, Make up Shoe Track	5,060.0	5,060.0
18:00	1.00	13.00	22	Wyoming Casing Running Tool Was Leaking Change Packer Cup Rig Hands Check out Leak on Top Drive Found Swivel Packing Was Leaking	5,060.0	5,060.0
19:00	2.00	15.00	12	Trip in Hole with 9 5/8 Casing From Surface to 1094 Fill 9 5/8 Casing @ 1094 Had Good Retrums Black Jack on Top Drive Leaking Water (Swivel Packing Leaking)	5,060.0	5,060.0
21:00	4.50	19.50	8	Repair Black Jack on Top Drive (Swivel Packing) Leaking Install New Swivel Packing Test Packing Did Not Hold Remove Swivel Packing Found Bottom Oring Cut Install New Oring and Reinstall Swivel Packing and Test to 500 psi Test was Good	5,060.0	5,060.0
01:30	2.00	21.50	12	Trip in Hole with 9 5/8" Casing From 1094 to 2500 Feet	5,060.0	5,060.0
03:30	0.50	22.00	5	Fill 9 5/8 " Casing with 128 bbls Water and Brake Circ @ 2500 Feet Had Good Retrums	5,060.0	5,060.0
04:00	2.00	24.00	12	Trip in Hole with 9 5/8" Casing From 2500 to 4040 Feet	5,060.0	5,060.0

Mud Check: 5,256.0ftKB, 4/12/2014 14:00

Date 4/12/2014	Depth (ftKB) 5,256.0	Density (lb/gal) 14.30	Vis (s/qt) 57	PV OR (Pa/s) 25.0	YP OR (lb/1... 15.000	Gel (10s) (lb/... 12.000	Gel (10m) (lb... 15.000	Gel (30m) (lb... 15.000	Filtrate (mL/... 28.0	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1... 2
MBT (lb/bbl) 0.0	pH 7.0	Pm (mL/mL) 7.0	Pf (mL/mL) 15.60	Mf (mL/mL) 90.0	Chlorides (mg/L) 43,000.000	Calcium (mg/L) 18,800.000	Pot (mg/L) 15.60	Lime (lb/bbl) 90.0	Solids (%) 28.0	CaCl (ppm) 83.3	Oil Water Ratio 16.7	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 7.0	LCM 15.60	ECD - Manual Entr... 15.60	T Flowline (°F) 90.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 4,303.0	Depth Out (ft...) 5,060.0	Drilled (ft) 757.00	Date In 4/5/2014 21:30	Date Out 4/7/2014 06:00	Drill Time (hr) 20.00	BHA ROP (ft/hr) 37.9	Rot Time (hr) 20.00	Slide Time (hr) 20.00	% Slide Time... 100.00	% Rot Time (%) 100.00
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/8/2014

Report #: 16, DFS: 9.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/9/2014

Report #: 17, DFS: 10.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/8/2014 06:00	Report End Date 4/9/2014 06:00	Days From Spud (days) 10.54	Start Depth (ftKB) 5,060.0	End Depth (ftKB) 5,060.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Annular Repair.

Operations Summary

We are repairing the Hydrill this morning. We ran 9 5/8" HCP-110 47# BTC casing to 5050'. Cemented. Pumped the plug. WOC. Then pumped the cement top job. Rigged down the blooie line. Nipple down the Hydrill. They are repairing the Hydrill. We saw 450 units of gas when circulating casing on bottom and 230 units while cementing.

Operations Next Report Period

Wire Line Logs

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	12	Run Casing F/ 4127 T/ 5050 Washed down the last joint and the landing Joint,	5,060.0	5,060.0
08:00	1.00	3.00	5	Circulated Bottom's Up and pump 70 Bbl's of Fresh water in Casing.	5,060.0	5,060.0
09:00	3.00	6.00	12	First Stage cement job P.J.S.M. With Baker Cementers, Rig Up cement equipment Test Lines and Pump 40 bbl's Seal Bond Spacer, 250 sks= 58.7 bbl's of 13.5 Cement, Drop plug and Displace 366.5 bbl's of water Bumped Plug 500 psi over - held pressure for 10 minutes bleed back 1.5 bbl's (Float Held Good)	5,060.0	5,060.0
12:00	4.00	10.00	13	WOC. Rig Up to pump Down Casing Valve, Rig North Western Air Services, Lay Out Landing joint.	5,060.0	5,060.0
16:00	1.00	11.00	22	Set Pack off and test T/ 3500 psi (Test Good)	5,060.0	5,060.0
17:00	2.50	13.50	12	Second Stage Cement- P.J.S.M. , Pump 20, bbls Gel Spacer, 5bbls water and 470 bbls of cement @ 12.0 ppg, and 5 bbls water	5,060.0	5,060.0
19:30	0.50	14.00	23	Rig Down Baker Cement Equipment.	5,060.0	5,060.0
20:00	10.00	24.00	8	Annular Repair. - Lay down mouse hole, Nipple down mouse hole, Pick up a joint of Drill pipe Functioned and cleaned around Annular Rubber Still Not Opening Properly, Nipple down Annular and have T3 Tech Inspect Same.	5,060.0	5,060.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/10/2014

Report #: 18, DFS: 11.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Exciliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/9/2014 06:00	Report End Date 4/10/2014 06:00	Days From Spud (days) 11.54	Start Depth (ftKB) 5,060.0	End Depth (ftKB) 5,060.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Testing Bop's

Operations Summary

Changed out the Annular Rubber, Testing Bop's, Rigging up flow lines, Held Nabors Safety Stand Down Meetings,

Operations Next Report Period

Trips

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
	Company Man / WSL	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	8.50	8.50	8	Annular Repair - Installed new annular rubber Funtion tested (Good Test) Nipple Back up, installed New Rotating head Bowl and Have Cameron Torque Same. (Rigging Up Halliburton and Boss	6,050.0	6,050.0
14:30	0.50	9.00	22	Safety Stand Down - Nabors Held a safety meeting about Third party safety awareness.	6,050.0	6,050.0
15:00	3.00	12.00	23	Rig Up Orbit Valve, Top drive bales and elevators, unload Directional tools. Rigging Up Bos Solids Control Equipment.	6,050.0	6,050.0
18:00	6.00	18.00	15	Rig up Cameron To test Bop's - Test Annular 250 low 5000 High, Lower pipe rams, TIW, Upper pipe rams, Inside choke, kill line valves, HCR, Lower kelly valve, lbop 205 low 10,000 high. 5/10 min.	6,050.0	6,050.0
00:00	0.50	18.50	22	Safety Stand Down - Nabors Held a safety meeting about Third party safety awareness.	5,060.0	5,060.0
00:30	5.50	24.00	15	Test Stand pipe, mud pumps, (# 2 4" valve Leaked Rebuilt Same and tested) Test blinds rams, outer choke cross valves, kill check, Manuel choke valves, @ 250 low 10,000 high 5/10 min. Working on Changing out flow line.	5,060.0	5,060.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...	Gel (10m) (lb...	Gel (30m) (lb...	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/11/2014

Report #: 19, DFS: 12.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/10/2014 06:00	Report End Date 4/11/2014 06:00	Days From Spud (days) 12.54	Start Depth (ftKB) 5,060.0	End Depth (ftKB) 5,060.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Tripping in the hole to drill the plug and do a FIT test.

Operations Summary

Test BOP, Finised nipping up, change Orbit valve, rig up Drip pan. amke up bit and tripped in the hole

Operations Next Report Period

Condition Mud & Circulate

Weather	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	4.50	4.50	15	Test outer choke valves, 250/10000psi @5/10min orbit valve failed, hang shaker slides, change tugger cable, Assist welder on flow line.	5,060.0	5,060.0
10:30	1.50	6.00	15	test B.O.P test M.P. 4" valve 250/4000 psi 5/10 min, change out orbit vavle	5,060.0	5,060.0
12:00	1.50	7.50	15	Test orbit valve along with MPD equipment 1100psi 10 min	5,060.0	5,060.0
13:30	1.50	9.00	15	Test Casing to 6600psi 30 min, begian drop inspection /electric cable safety	5,060.0	5,060.0
15:00	1.00	10.00	6	Rig down pressure testers, Install wear bushing @ 26.2'	5,060.0	5,060.0
16:00	0.50	10.50	11	Pre job safety meeting with R.M.W.S. wireline held with all parties involved, set 9 5/8 casing into rotary table.	5,060.0	5,060.0
16:30	1.50	12.00	11	Repair damaged cable on wireline truck	5,060.0	5,060.0
18:00	0.50	12.50	11	Rig up loggers to run Cement bond logs	5,060.0	5,060.0
18:30	4.50	17.00	11	Logging top of cement @ 1770' according to the bond logs.	5,060.0	5,060.0
23:00	3.50	20.50	14	Finish welding the flow line, and nipping up flow line, Install drip pan around the B.O.P. Install the turn buckles on the B.O.P. Install mouse hole	5,060.0	5,060.0
02:30	3.50	24.00	6	Make up bit, float sub checked the flowt direction trip in the hole with Drill Collars and HWDP.	5,060.0	5,060.0

Mud Check: <depth>ftKB, <dtm>

Date	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...	Gel (10m) (lb...	Gel (30m) (lb...	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/12/2014

Report #: 20, DFS: 13.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 577.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/11/2014 06:00	Report End Date 4/12/2014 06:00	Days From Spud (days) 13.54	Start Depth (ftKB) 5,557.0	End Depth (ftKB) 6,134.0	Daily Depth Progress (ft) 577.00
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Operations at Report Time

Displace Hole with 14.4 Oil Base Mud.

Operations Summary

Trip in hole and Tag @ 5,000' Drill shoe Track and 10' Fit test @ 5,060' 18.0 EMW. Trip out and make up Pilot hole BHA trip in displace hole With 14.4 Oil Base Mud.

Operations Next Report Period

Drilling

Weather
Sunny and ClearWellbore
Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	6	Trip in the hole, Block height Zeroed	5,060.0	5,060.0
07:30	1.00	2.50	3	Reaming and wash to bottom tag cement @ 5000' tag float @ 5006' shoe @ 5050'	5,000.0	5,060.0
08:30	0.50	3.00	5	Circulate and condition one bottoms up, spot 35BBL LCM pill right out side of the bit.	5,060.0	5,060.0
09:00	0.50	3.50	5	Perform F.I.T. test @ 18ppg Estimated mud wt. at 2525psi for 10min.	5,060.0	5,060.0
09:30	3.50	7.00	6	Trip out of the hole 34 stand of DP 17 Stands of HWDP Calibrated fill of 48bbl Actual Fill of 66.1bbl	5,060.0	5,060.0
13:00	1.00	8.00	6	Lay down drill collars, Bit sub, and bit.	5,060.0	5,060.0
14:00	0.50	8.50	9	Lubricate Rig, Service top drive gears, blocks, perform td drops inspection.	5,060.0	5,060.0
14:30	0.50	9.00	20	Pre job safety meeting with pathfinder directional/MWD on picking up directional tools dont stand under a suspended, use a tag line, be your brothers keeper	5,060.0	5,060.0
15:00	2.00	11.00	20	Picking up Directional Mud motor 1.25 degree fixed .29RPG, NM STAB, float sub. MWD tools, make up mill tooth bit to test directional tools	5,060.0	5,060.0
17:00	2.00	13.00	21	Blow down hard lines with air in preperation to displace hole with oil based mud	5,060.0	5,060.0
19:00	1.00	14.00	20	Test MWD tool	5,060.0	5,060.0
20:00	4.50	18.50	6	Trip in the hole 5 stands of HWDP, Jars, 2 stands HWDP and 34 stands od drill pipe.	5,060.0	5,060.0
00:30	0.50	19.00	7	Lubricate rig, tighten up carrier cables.	5,060.0	5,060.0
01:00	2.00	21.00	6	Pick up 30 joints of Drill pipe. and Run in hole T/ 5,060'	5,060.0	5,060.0
03:00	3.00	24.00	5	Install Rotating Head and Displace hole with 14.4 Oil Base Mud.	5,060.0	5,060.0

Mud Check: 5,634.0ftKB, 4/12/2014 06:00

Date 4/12/2014	Depth (ftKB) 5,634.0	Density (lb/gal)	Vis (s/qt)	PV OR (Pa*s)	YP OR (lb/ft...)	Gel (10s) (lb/ft...)	Gel (10m) (lb/ft...)	Gel (30m) (lb/ft...)	Filtrate (mL/...)	FC (1/32") 2	HTHP Filtrat... 2	HTHP FC (1...)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio 100/0	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/12/2014

Report #: 20, DFS: 13.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 577.00

AP/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal				
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date				
Casing & Liners									
Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/13/2014

Report #: 21, DFS: 14.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,270.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0		Kick Off Date 4/21/2014		Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 4/12/2014 06:00	Report End Date 4/13/2014 06:00	Days From Spud (days) 14.54	Start Depth (ftKB) 5,055.0	End Depth (ftKB) 6,325.0	Daily Depth Progress (ft) 1,270.00
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Operations at Report Time

Drilling pilot hole, BOP drill,

Operations Summary

Displace the hole w/ OBM test MPD system, repair ibop, Drill ahead @ 5060'-6325' 17-26k wt.bit,3585spp,350-450diff, 102.1 avg ROP,

Operations Next Report Period

Drilling

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	5	Circulate/ displace oil based mud around to surface total of 370bbl displaced w/ 30 bbl lcm gel sweep	5,060.0	5,060.0
07:00	1.00	2.00	7	Change out pump expendables in mud pump #2 and return to online status	5,060.0	5,060.0
08:00	2.50	4.50	2	Drill ahead from 5060'-5172' @ avg.130 ROP, 30k on bit, 450 Diff, SPP 3500-3700 psi 80rpm ROT SPR 20stk-300/340psi, 30stk-430/450psi, 40stk-570/590psi	5,060.0	5,172.0
10:30	2.50	7.00	8	Rig Down Time ibop connections spun loose inside the ibop clamp, while making a connection. replace the clamp and the dies in the clap. Re tourqe ibop to top drive	5,172.0	5,172.0
13:00	1.00	8.00	2	Drill ahead from 5172'-5267' @ avg.130 ROP, 30k on bit, 450 Diff, SPP 3500-3700 psi 475GPM 80rpm ROT Drilling well through the Clastic2 Formation	5,172.0	5,267.0
14:00	0.50	8.50	24	Clear all lines had some packing off issues to ensure the ability to use the choke/MPD in case of a well control issue.	5,267.0	5,267.0
14:30	2.00	10.50	2	Drill ahead from 5267'-5427' @ avg.130 ROP, 30k on bit, 450 Diff, SPP 3500-3700 psi 475GPM 80rpm ROT Drilling well through the into Clastic3 and Salt4 Formation	5,267.0	5,427.0
16:30	0.50	11.00	22	B.O.P. Drill conducted with crew @ 92 seconds	5,427.0	5,427.0
17:00	1.00	12.00	2	Drill ahead from 5427'-5557' @ avg.120 ROP, 30k on bit, 470 Diff, SPP 3550-3700 psi 475GPM 80rpm ROT Drilling well through the Salt4 into Clastic4 Formation	5,427.0	5,557.0
18:00	6.00	18.00	2	Drill ahead from 5557'-6134' @ avg.175 ROP, 17-25k on bit, Diff 550-650, SPP 3550-3850 psi 80rpm ROT, 475GPM, 10k-13k tourqe Drilling well through the Clastic4-Clastic8 Formations, no issues drilling through the flow line.	5,557.0	6,134.0
00:00	1.00	19.00	20	Slide 20' to correct inclination of 2.11 and azimuth of 188.33 slid 20' @360 AZM Sliding parameters of 27 WOB, 375 Diff, SPP 3427psi	6,134.0	6,153.0
01:00	0.50	19.50	22	Safety stand down on the importance of BUFFER ZONES, moving drill pipe and driving the forklift around on a tight locations, having a spotter , and using your horn to come around corners.	6,153.0	6,153.0
01:30	2.00	21.50	2	Drill ahead from 6134'-6240' @ avg.45 ROP, 17-25k on bit, Diff 280-350psi, SPP 2550-3050 psi 80rpm ROT, 475GPM, 5k-7k tourqe Drilling well through the salt 8-Clastic 8 Formations, no issues drilling through the flow line.	6,153.0	6,240.0
03:30	1.00	22.50	20	Slide 20' to correct inclination of 2.11 and azimuth of 188.33 slid 20' @360 AZM Sliding parameters of 27 WOB, 375 Diff, SPP 3427psi	6,240.0	6,260.0



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/13/2014

Report #: 21, DFS: 14.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,270.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
04:30	0.50	23.00	22	Rig Service track down pump problem 200psi pressure swings, aired off both pumps and checked the pulsations dampeners,	6,260.0	6,260.0
05:00	1.00	24.00	2	Drill ahead from 6260'-6325' @ avg. 112 ROP, 17-25k on bit, Diff 350-450psi, SPP 3000-3500 psi 80rpm ROT, 475GPM, 5k-7k torque Drilling well through the Clastic 8- salt 9 Formations, no issues drilling through the MPD reading 64psi on well head 440 barrels in active system	6,260.0	6,325.0

Mud Check: 6,223.0ftKB, 4/13/2014 03:30

Date 4/13/2014	Depth (ftKB) 6,223.0	Density (lb/gal) 14.30	Vis (s/qt) 52	PV OR (Pa*s)	YP OR (lb/1...)	Gel (10s) (lb/...)	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 416,537.00	Calcium (mg/L) 0	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 28.0	CaCl (ppm)	Oil Water Ratio 83.3/16.7	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 95.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 5,055.0	Depth Out (ft...) 8,428.0	Drilled (ft) 3,373.00	Date In 4/12/2014 08:00	Date Out 4/15/2014 06:00	Drill Time (hr) 63.00	BHA ROP (ft/hr) 53.5	Rot Time (hr) 45.00	Slide Time (hr) 18.00	% Slide Time... 28.57	% Rot Time (%) 71.43
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/14/2014

Report #: 22, DFS: 15.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,253.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0		Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0		Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 4/13/2014 06:00	Report End Date 4/14/2014 06:00	Days From Spud (days) 15.54	Start Depth (ftKB) 6,325.0	End Depth (ftKB) 7,578.0	Daily Depth Progress (ft) 1,253.00
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Operations at Report Time

Drilling pilot hole, Crown inspection

Operations Summary

Drilling ahead, 6325'-7186' Sliding@ 30 azms due to 2.99 inc. slow sliding to control tool face.

Operations Next Report Period

Weather

Cloudy

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	5.50	5.50	20	Slide drill 8-1/2" Pilot Hole from 6,325' to 6,363'. MW= 14.3 ppg, ECD= 15.3 ppg. Bgas= 34 units, Cgas= no flare. MPD holding 45 psi drilling, 0 psi on connection. Diff psi= 208 inc. 1.67 azm 186.98	6,325.0	6,363.0
11:30	1.00	6.50	2	Drill 8-1/2 Pilot Hole From 6,363' to 6,419' WOB 12 to 20 K Torque =3400 GPM =475 w 3500 psi (Diff Press= 200 to 300 psi) Holding 60 psi on MPD ECD 15.3 ppg w 14.3 mw, Bgas= 38 units.	6,363.0	6,419.0
12:30	0.50	7.00	7	Service Rig and Top Drive. Slow Pump Rate with 14.3 ppg 20-330/330 30-450/430 40-630/570	6,419.0	6,419.0
13:00	5.00	12.00	2	Drill 8-1/2 Pilot Hole From 6,419' to 6804' WOB 12 to 20 K Torque =3400 GPM =475 w 3500 psi (Diff Press= 200 to 300 psi) Holding 60 psi on MPD ECD 15.3 ppg w 14.3 mw, Bgas= 29 units. 6453' inc. 1.85 azm 184, 6549 inc. 2.11 azm 191.0, 6644 inc. 2.55 azm 192.0, 6740' inc. 2.99 azm 192.0	6,419.0	6,804.0
18:00	4.00	16.00	20	Slide drill 8-1/2" Pilot Hole from 6804' to 6850'. MW= 14.3 ppg, ECD= 15.20 ppg. Bgas= 19 units, Cgas= no flare. MPD holding 62 psi drilling, 0 psi on connection. Diff psi= 103 6835' inc. 1.85 azm 211.0	6,804.0	6,850.0
22:00	1.00	17.00	2	Drill 8-1/2 Pilot Hole From 6850' to 6908' WOB 10-15 K Torque =5-7k GPM =475 w 3684 psi (Diff Press=350-400 psi) Holding 60 psi on MPD ECD 15.43 ppg w 14.3+ mw, Bgas= 60 units. 0 psi on connection	6,850.0	6,908.0
23:00	2.00	19.00	20	Slide drill 8-1/2" Pilot Hole from 6908' to 6933'. MW= 14.3+ ppg, ECD= 15.18 ppg. Bgas= 13 units, Cgas= no flare. MPD holding 62 psi drilling, 260 psi on connection. Diff psi= 103	6,908.0	6,933.0
01:00	2.50	21.50	2	Drill 8-1/2 Pilot Hole From 6933' to 6995' WOB 10-15 K Torque =5-7k GPM =475 w 3684 psi (Diff Press=350-400 psi) Holding 60 psi on MPD ECD 15.43 ppg w 14.3+ mw, Bgas= 60 units. 0 psi on connection 6931' inc. 1.23 azm 214	6,933.0	7,088.0
03:30	0.50	22.00	7	Rig service, Lubricate top drive and traveling assembly, Flow check no Flow mpd test on chokes all in active service. service brakes and top drive drop ins	7,088.0	7,088.0
04:00	2.00	24.00	2	Drill 8-1/2 Pilot Hole From 6995' to 7,218' WOB 10-15 K Torque =5-7k GPM =475 w 3684 psi (Diff Press=350-400 psi) Holding 60 psi on MPD ECD 15.43 ppg w 14.3+ mw, Bgas= 60 units. 0 psi on connection 7027' inc. 1.32 azm 212	7,088.0	7,218.0



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/14/2014

Report #: 22, DFS: 15.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,253.00

API/UWI 43-019-50036		Excaliber ID 74*31446		Well Area Paradox		Basin Paradox Basin		Regulatory Field Name Cane Creek		Well Configuration Type Horizontal	
County Grand		State/Province UT		Graded Ground Elevation (ft) 5,152.00		KB-Ground Distance (ft) 23.00		Spud Date 1/25/2014 00:00		Rig Release Date	
Mud Check: 6,989.0ftKB, 4/14/2014 03:30											
Date 4/14/2014	Depth (ftKB) 6,989.0	Density (lb/gal) 14.30	Vis (s/qt) 53	PV OR (Pa*s) 24.0	YP OR (lb/1...) 16.000	Gel (10s) (lb...) 11.000	Gel (10m) (lb...) 14.000	Gel (30m) (lb...)	Filtrate (mL...)	FC (1/32") 2.6	HTHP Filtrat... 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 45,000.000	Calcium (mg/L) 16,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 28.0	CaCl (ppm)	Oil Water Ratio 83.3/16.7
Mud Lost (Hole) (bbl) 13.0	Mud Lost (Surf) (bbl) 7.0	LCM	ECD - Manual Entr... 15.24		T Flowline (°F) 110.0	Comment					
Daily Drilling Performance											
Depth In (ftKB) 5,055.0	Depth Out (ft...) 8,428.0	Drilled (ft) 3,373.00	Date In 4/12/2014 08:00	Date Out 4/15/2014 06:00	Drill Time (hr) 63.00	BHA ROP (ft/hr) 53.5	Rot Time (hr) 45.00	Slide Time (hr) 18.00	% Slide Time... 28.57	% Rot Time (%) 71.43	
Casing & Liners											
Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)		
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2		
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615		
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681		



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/15/2014

Report #: 23, DFS: 16.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,210.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/14/2014 06:00	Report End Date 4/15/2014 06:00	Days From Spud (days) 16.54	Start Depth (ftKB) 7,218.0	End Depth (ftKB) 8,428.0	Daily Depth Progress (ft) 1,210.00
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Operations at Report Time

Drilling pilot hole, to 8480'

Operations Summary

Drill ahead 7186' to 8428'. TD wt up active system to 14.8ppg Circulate btms up Flow check and short trip

Operations Next Report Period

Trips

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	5.50	5.50	2	Drill 8-1/2 Pilot Hole From 7186' to 7578' WOB 10-15 K Torque =5-7k GPM =456 w 3700 psi (Diff Press=350-400 psi) Holding 60 psi on MPD ECD 15.20 ppg w 14.3+ mw, Bgas= 30 units. 0 psi on connection 7218' inc.2.55 azm 212.2, SPR .30-480/490 40-620/650	7,186.0	7,578.0
11:30	0.50	6.00	7	Service top drive, perform drops inspection, 3 hole brake adjustment, lubricate blocks, and swivel packing. check mud pump couplers and oilers.	7,578.0	7,578.0
12:00	3.50	9.50	20	Sliding do to 3.08inc. 207azm Drill 8-1/2 Pilot Hole From 7578' to 7619' WOB 5.5-7 K Torque =0k GPM =456 w 3350 psi (Diff Press=85-100 psi) Holding 58 psi on MPD ECD 15.20 ppg w 14.3+ mw, Bgas= 32 units. 0 psi on connection	7,578.0	7,619.0
15:30	2.50	12.00	2	Drill 8-1/2 Pilot Hole From 7619' to 7776' WOB 10-15K Torque =5-7k GPM =456 w 3700 psi (Diff Press=450-529 psi) Holding 63 psi on MPD ECD 15.20 ppg w 14.3+ mw, Bgas= 30 units. 0 psi on connection 7600' inc.2.11 azm 190.36, 7696 inc.1.93, azm183.55	7,619.0	7,760.0
18:00	8.00	20.00	2	Drill 8-1/2 Pilot Hole From 7776' to 8334' WOB 11-13K Torque =6-8k GPM =440 w 3648 psi (Diff Press=380-480 psi) Holding 58 psi on MPD ECD 15.12 ppg w 14.3+ mw, Bgas= 55 units. 0 psi on connection 7887' inc.2.46 azm 182.64, 7982 inc.2.55, azm183.15, 8078 inc 2.99 183.31azm SPR P1 20=500 30=550 40=625psi P2 20=440 30=500 40=610psi	7,760.0	8,334.0
02:00	0.50	20.50	7	Rig service. lubricate rig, lubricate top drive, check brakes, adjst 3 holes 10 min flow check verified no flow	8,334.0	8,344.0
02:30	1.50	22.00	2	Drill TD 8-1/2 Pilot Hole From 8244' to 8428' WOB 18-21K Torque =7-8k GPM =440 w 3810 psi (Diff Press=450-529 psi) Holding 52 psi on MPD ECD 15.17 ppg w 14.3+ mw, Bgas=81 units. 0 psi on connection, survey @ 8174 inc 3.34 amz 187.7 @ 8270 inc. 3.34 azm 189.48,	8,244.0	8,428.0
04:00	2.00	24.00	5	Circulate 2 LCM, start weighing up active system from 14.4ppg-14.8ppg prior to tripping out of the hole. total fluid at TD 457bbls at time of TOOH.	8,428.0	8,428.0

Mud Check: 8,332.0ftKB, 4/15/2014 03:00

Mud Check: 8,332.0 - 8,332.0												
Date 4/15/2014	Depth (ftKB) 8,332.0	Density (lb/gal) 14.30	Vis (s/qt) 52	PV OR (Pa.s) 24.0	YP OR (lb/1... 17.000	Gel (10s) (lb/... 12.000	Gel (10m) (lb... 16.000	Gel (30m) (lb... 16.000	Filtrate (mL/... 29.0	FC (1/32") 2.6	HTHP Filtrat... 2.6	HTHP FC (1... 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 46,000.000	Calcium (mg/L) 16,400.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio 84.6/15.4	
Mud Lost (Hole) (bbl) 28.0	Mud Lost (Surf) (bbl) 10.0	LCM	ECD - Manual Entr... 15.29		T Flowline (°F) 113.0	Comment						

Daily Drilling Performance

Depth In (ftKB) 5,055.0	Depth Out (ft... 8,428.0	Drilled (ft) 3,373.00	Date In 4/12/2014 08:00	Date Out 4/15/2014 06:00	Drill Time (hr) 63.00	BHA ROP (ft/hr) 53.5	Rot Time (hr) 45.00	Slide Time (hr) 18.00	% Slide Time... 28.57	% Rot Time (%) 71.43
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/15/2014

Report #: 23, DFS: 16.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 1,210.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/16/2014

Report #: 24, DFS: 17.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/15/2014 06:00	Report End Date 4/16/2014 06:00	Days From Spud (days) 17.54	Start Depth (ftKB) 8,428.0	End Depth (ftKB) 8,428.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Open Hole Logging with Schlumberger.

Operations Summary

Circulate and displace hole with 14.8 ppg. Wiper trip to casing shoe @5050. Circulate 14.8 ppg. Flow check - no flow. TOH. R/U wireline loggers & log from 5050'-8428'.

Operations Next Report Period

Plug Back

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	5	Circulate & condition hole with 14.8 ppg. Build weighted dry pill, 30 min flow check. No Flow	8,428.0	8,428.0
08:00	3.00	5.00	6	Wiper Trip to the casing shoe @5050'. Pulled 36 stands calculated fill of 19 bbl actual fill of 36 bbl	8,428.0	8,428.0
11:00	2.00	7.00	21	Slip and cut 106' of drilling line	8,428.0	8,428.0
13:00	1.50	8.50	6	Trip in 36 stands of drill pipe - calculated displacement of 58 bbls, actual displacement of 75 bbl.	8,428.0	8,428.0
14:30	1.50	10.00	5	Circulate 2 bottoms up, 3rd party gas of 89 units max of trip gass. mud wt. of 14.8 Build and pump weighted dry job. Flow check - no flow	8,428.0	8,428.0
16:00	7.50	17.50	6	Trip out of the hole 79 stands of DP, continuous fill with trip pump. PVT prior to trip 440.57 bbls, Post trip PVT 358 bbls. Calculated loss of 62 bbls, hole took 20 bbls more than calculated.	8,428.0	8,428.0
23:30	3.00	20.50	20	Safety meeting on laying down directional tools and breaking drill bit. LD Directional BHA.	8,428.0	8,428.0
02:30	0.50	21.00	11	Hold PJSM with Schlumberger Loggers. Rig up Schlumberger Wireline loggers.	8,428.0	8,428.0
03:00	3.00	24.00	11	Wireline log 8-1/2" pilot hole from 5050'- 8428'. Triple combo.	8,428.0	8,428.0

Mud Check: 8,428.0ftKB, 4/16/2014 00:15

Date 4/16/2014	Depth (ftKB) 8,428.0	Density (lb/gal) 14.80	Vis (s/qt) 60	PV OR (Pa*s) 26.0	YP OR (lb/1... 17.000	Gel (10s) (lb... 12.000	Gel (10m) (lb... 16.000	Gel (30m) (lb... 16.000	Filtrate (mL/... 30.5	FC (1/32") 2.4	HTHP Filtrat... 2	HTHP FC (1... 2
MBT (lb/bbl) 12.0	pH	Pm (mL/mL) 3.0	PF (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 50,000.000	Calcium (mg/L) 12,800.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 30.5	CaCl (ppm)	Oil Water Ratio 85.6/14.4	
Mud Lost (Hole) (bbl) 12.0	Mud Lost (Surf) (bbl) 3.0	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 5,055.0	Depth Out (ft... 8,428.0	Drilled (ft) 3,373.00	Date In 4/12/2014 08:00	Date Out 4/15/2014 06:00	Drill Time (hr) 63.00	BHA ROP (ft/hr) 53.5	Rot Time (hr) 45.00	Slide Time (hr) 18.00	% Slide Time... 28.57	% Rot Time (%) 71.43
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/17/2014

Report #: 25, DFS: 18.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/16/2014 06:00	Report End Date 4/17/2014 06:00	Days From Spud (days) 18.54	Start Depth (ftKB) 8,428.0	End Depth (ftKB) 8,428.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Operations Summary

Finish Open Hole Wireline Logs. RIH with 680' 2-7/8 Tubing on 4.5" DP to 8428'. Circulate Bottoms up, R/U Baker Hughes Cementers

Operations Next Report Period

Weather Cloudy	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	11	Open hole logging Triple Combo Express, to the depth of 5050'- 8428'	8,428.0	8,428.0
08:00	1.00	3.00	11	Change out logging tools, lay down Triple Combo and pick up Sonic Scanner.	8,428.0	8,428.0
09:00	6.00	9.00	11	Open hole logging Sonic Scanner OBMI, 5050'- 8428' Rig down loggers and lay down lubricator, clean floor	8,428.0	8,428.0
15:00	2.00	11.00	6	Pick up 680.15' of 2-7/8 Drill pipe calculated dislactment of .99bbl actual displacment of .9bbl	8,428.0	8,428.0
17:00	1.00	12.00	6	Trip in 14 stands of 4-1/2 Drill Pipe calculated fill of 7.8bbl actual fill 10bbl	8,428.0	8,428.0
18:00	4.00	16.00	6	Trip in 64 stands of 4-1/2 Drill Pipe to the depth of 8428'	8,428.0	8,428.0
22:00	2.00	18.00	5	Circulate two bottoms up with 15 ppg OBM, Gain/Loss of 0bbl max 3rd party gas of 34 units	8,428.0	8,428.0
00:00	0.50	18.50	12	Wait on Baker Hughes Cement Truck.	8,428.0	8,428.0
00:30	0.50	19.00	12	R/U Baker Hughes Cementers bulk truck	8,428.0	8,428.0
01:00	4.50	23.50	12	Circulate waiting for Cementers to mix 15ppg Seal Bond Spacer 3rd party gas 34units @ 444spp 40 strokes	8,428.0	8,428.0
05:30	0.50	24.00	12	R/U Cement Head, Hold meeting with Baker Hughes on cementing two 600ft 42bbl 15.8 ppg plugs	8,428.0	8,428.0

Mud Check: 8,428.0ftKB, 4/16/2014 14:00

Date 4/16/2014	Depth (ftKB) 8,428.0	Density (lb/gal) 14.90	Vis (s/qt) 62	PV OR (Pa*s) 28.0	YP OR (lb/1...) 18.000	Gel (10s) (lb...) 12.000	Gel (10m) (lb...) 17.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.4	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 4,500.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 31.5	CaCl (ppm)	Oil Water Ratio 85.4/14.6	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 45.0	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Mud Check: <depth>ftKB, 4/17/2014 14:00

Date 4/17/2014	Depth (ftKB) 14.90	Density (lb/gal) 68	Vis (s/qt) 28.0	PV OR (Pa*s) 19.000	YP OR (lb/1...) 13.000	Gel (10s) (lb...) 19.000	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 3.0	HTHP FC (1...) 3
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 4,500.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 32.0	CaCl (ppm)	Oil Water Ratio 85.3/14.7	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 45.0	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/17/2014

Report #: 25, DFS: 18.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

AP/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal				
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date				
Casing & Liners									
Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/18/2014

Report #: 26, DFS: 19.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Exciliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/17/2014 06:00	Report End Date 4/18/2014 06:00	Days From Spud (days) 19.54	Start Depth (ftKB) 7,088.0	End Depth (ftKB) 7,088.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Operations Summary

Set cement plug from 8428' - 7228'. Reverse circ out. POOH. LD 2-7/8" tubing. Pick up bit sub TIH, tag plug @7123' Circulate till 4:30am Start dressing cement plug

Operations Next Report Period

Weather
Sunny and Clear

Wellbore
Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.50	2.50	12	Hold PJSM with Baker Cementers & rig crew. RU cement lines. Test lines to 5000 psi. Pump 10 bbls diesel followed by 40 bbls 15.0 ppg Seal Bond Spacer. Mix and pump 42 bbls (206 sks) 15.8 ppg Class G followed by 11.2 bbls Seal Bond Spacer & 2.8 bbls diesel. Displace with 96 bbls 14.8 ppg Invert mud. Plugged back hole from 8428' - 7828'.	8,428.0	8,428.0
08:30	0.50	3.00	6	Break off cement head. Pull 6 stds + 1 single @30 ft/min to 7828'. Install cement head.	8,428.0	8,428.0
09:00	1.50	4.50	12	Pump 2nd 600' cement plug as follows: 10 bbls diesel followed by 40 bbls 15.0 ppg Seal Bond Spacer. Mix and pump 42 bbls (206 sks) 15.8 ppg Class G followed by 11.2 bbls Seal Bond Spacer & 2.8 bbls diesel. Displace with 87 bbls 14.8 ppg Invert mud. Total calculated plug back depth 8428' - 7228'.	8,428.0	8,428.0
10:30	0.50	5.00	6	Break off cement head. Pull 7 stds @30 ft/min to 7170'.	8,428.0	8,428.0
11:00	2.00	7.00	5	Install cement head. Reverse circulate out spacer and residual cement.	8,428.0	8,428.0
13:00	3.50	10.50	6	POOH from 7170' to 2-7/8" tubing @680'.	8,428.0	8,428.0
16:30	2.00	12.50	6	LD 22 jts 2-7/8" tubing. RD 2-7/8" handling equipment.	8,428.0	8,428.0
18:30	1.00	13.50	6	Rig down 2-7/8 Handling Equipment, Strap and pick up two Jts. DP install rotating heads to Jts. of DP. Clean FLOOR Install Trip nipple.	8,428.0	8,428.0
19:30	5.50	19.00	6	Trip in 1 stand of Drill Collars 17 Stands of HWDP and 58 Stand of Drill pipe To 7123' tag plug. POOH one stand.	8,428.0	8,428.0
01:00	3.50	22.50	5	Break Circulation 3rd party gas 22units Gain/Loss bbl, Circulate till 4:30am (Wait 18 Hrs on cement plug) Check hoist lines, Brakes Top Drive Drops, Working on service loop.	8,428.0	8,428.0
04:30	1.50	24.00	3	Dressing Cement Plug For Kick off of the Curve. Start Dressing @7123'-7350' Reaming to 7188' good cement	8,428.0	8,428.0

Mud Check: 8,428.0ftKB, 4/17/2014 14:00

Date 4/17/2014	Depth (ftKB) 8,428.0	Density (lb/gal) 14.90	Vis (s/qt) 65	PV OR (Pa*s) 27.0	YP OR (lb/1...) 18.000	Gel (10s) (lb...) 13.000	Gel (10m) (lb...) 17.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.4	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 34,000.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 30.5	CaCl (ppm)	Oil Water Ratio 85.6/14.4	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 0.0	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Mud Check: <depth>ftKB, 4/18/2014 03:00

Date 4/18/2014	Depth (ftKB) 8,428.0	Density (lb/gal) 14.70	Vis (s/qt) 67	PV OR (Pa*s) 18.0	YP OR (lb/1...) 17.000	Gel (10s) (lb...) 13.000	Gel (10m) (lb...) 17.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.6	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 35,000.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 85.8/14.2	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 38.0	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/18/2014

Report #: 26, DFS: 19.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Daily Drilling Performance

Depth In (ftKB) 7,088.0	Depth Out (ft... 7,088.0	Drilled (ft)	Date In 4/18/2014 04:30	Date Out 4/18/2014 06:00	Drill Time (hr) 64.00	BHA ROP (ft/hr)	Rot Time (hr) 46.50	Slide Time (hr) 17.50	% Slide Time... 27.34	% Rot Time (%) 72.66
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/19/2014

Report #: 27, DFS: 20.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/18/2014 06:00	Report End Date 4/19/2014 06:00	Days From Spud (days) 20.54	Start Depth (ftKB) 7,088.0	End Depth (ftKB) 7,088.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Preparing to pump 750' Cement Kickoff Plug

Operations Summary

Dress Cement plug 7350'-8061'. POOH. PU & RIH with 2-7/8 tubing to 8061'.

Operations Next Report Period

Wait on Cement

Weather Rain	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.50	2.50	13	Circulating while WOC.	7,350.0	7,350.0
08:30	1.50	4.00	3	Reaming washing cement from 7350'-7523', 10k WOB, 3500 spp, 65diff, 290-320 ROP	7,350.0	7,523.0
10:00	1.00	5.00	13	Wait on Cement	7,523.0	7,523.0
11:00	4.50	9.50	3	Reaming washing cement from 7253'-8058', 10k wt on bit, 3500 spp, 65diff, 280-300 ROP.	7,523.0	8,061.0
15:30	0.50	10.00	7	Rig Service, grease swival packing and lubricate top drive.	8,061.0	8,061.0
16:00	0.50	10.50	5	Circulate Bottoms up. 10 min Flow check , NO FLOW.	8,061.0	8,061.0
16:30	1.50	12.00	6	Tripping out of hole 25 stands. calculated fill of 14 bbls, actual fill 22.3 bbls	8,061.0	8,061.0
18:00	3.50	15.50	6	Tripping out of the hole 40 stds DP, 17 stands of HWDP, 1 stand of collars. Calculated fill of 43.83 bbls, actual fill of 61.8 bbls.	8,061.0	8,061.0
21:30	1.50	17.00	6	Pick up 26 jts (803') of 2-7/8 tubing for cement stinger.	8,061.0	8,061.0
23:00	4.00	21.00	6	Tripping Drill pipe in the hole to a depth of 8061'. 3rd party gas @ 39-42units 0 bbls gains	8,061.0	8,061.0
03:00	3.00	24.00	5	Circulate 14.7 ppg OBM bottoms up @ 1300 spp. BU gas= 57 units.	8,061.0	8,061.0

Mud Check: 7,941.0ftKB, 4/18/2014 14:00

Date 4/18/2014	Depth (ftKB) 7,941.0	Density (lb/gal) 14.65	Vis (s/qt) 58	PV OR (Pa*s) 30.0	YP OR (lb/1...) 20.000	Gel (10s) (lb/...) 15.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 2.4	HTHP Filtrat... 2	HTHP FC (1...)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 33,000.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 30.0	CaCl (ppm)	Oil Water Ratio 80/20	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 20.0	LCM	ECD - Manual Entr...	T Flowline (°F) 113.0	Comment							

Mud Check: <depth>ftKB, 4/19/2014 03:00

Date 4/19/2014	Depth (ftKB) 14.70	Density (lb/gal) 57	Vis (s/qt) 29.0	PV OR (Pa*s) 23.000	YP OR (lb/1...) 18.000	Gel (10s) (lb/...) 25.000	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 3.5	HTHP Filtrat... 2	HTHP FC (1...)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 45,000.000	Calcium (mg/L) 12,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 30.5	CaCl (ppm)	Oil Water Ratio 79.1/20.9	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 20.0	LCM	ECD - Manual Entr...	T Flowline (°F) 0.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 7,088.0	Depth Out (ft...) 7,088.0	Drilled (ft)	Date In 4/18/2014 04:30	Date Out 4/18/2014 06:00	Drill Time (hr) 64.00	BHA ROP (ft/hr) 46.50	Rot Time (hr) 17.50	Slide Time (hr) 27.34	% Slide Time... 72.66	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/20/2014

Report #: 28, DFS: 21.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/19/2014 06:00	Report End Date 4/20/2014 06:00	Days From Spud (days) 21.54	Start Depth (ftKB) 7,088.0	End Depth (ftKB) 7,088.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Circulating up cement kickoff plug samples

Operations Summary

Set 750' balanced cement plug. Reverse circ out. POOH. LD 2-7/8" tubing. Slip & cut drill line. PU & RIH with 8.5" Mill Tooth Bit to TOC @7279'. Dress off cement plug to 7443'. Wait on cement full 24 hours (10:30 AM)

Operations Next Report Period

Drilling

Weather

Cloudy

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	5	RU Halliburton Cementers.	8,061.0	8,061.0
07:30	2.50	4.00	12	Hold PJSM with Halliburton. Set 750' balanced cement plug as followed: Pump 32 bbls 16.5 ppg Tuned Spacer III, 53.4 bbls (300 sks) 17.0 ppg PLUGCEM SYSTEM cement (1.0 cu ft/sk Yield, 3.86 gal water total), 8 bbls 16.5 ppg Tuned Spacer III. Displace with 92 bbls 14.7 ppg Invert Mud. Estimated top of cement plug @7296'.	8,061.0	8,061.0
10:00	0.50	4.50	6	Break off cement head. Pull 10 stds @50 ft/min to 7122'. Install cement head.	8,061.0	8,061.0
10:30	1.50	6.00	5	Reverse circulate out spacer and residual cement.	8,061.0	8,061.0
12:00	2.50	8.50	6	POOH from 7122' to 2-7/8" tubing @803'.	8,061.0	8,061.0
14:30	0.50	9.00	22	Remove Rotating Head Rubber. Install Trip Nipple.	8,061.0	8,061.0
15:00	1.00	10.00	6	LD 26 jts 2-7/8" tubing from 803' to surface.	8,061.0	8,061.0
16:00	4.00	14.00	6	PU & RIH with 8-1/2" Mill Tooth Bit on 1 stand DC's, 17 stands 4.5" HWDP and 4.5" DP to 5000'.	8,061.0	8,061.0
20:00	1.50	15.50	22	Slip & Cut 70' of Drill Line.	8,061.0	8,061.0
21:30	0.50	16.00	7	Lubricate rig/ check pop off valves.	8,061.0	8,061.0
22:00	1.00	17.00	6	Cont. RIH - tag TOC @7279'.	8,061.0	8,061.0
23:00	1.50	18.50	2	Drill on cement plug from 7279'. Took 6k WOB, @7299' took 12k WOB, @7330' took 9k WOB, @7350' took 7k WOB, @7362' took 7k WOB. Average ROP with 5-10k WOB was 99 ft/hr.	7,279.0	7,386.0
00:30	4.00	22.50	13	Circulate hole @7379' - Wait on cemen till 4:30 am (18 hr mark) to dress plug.	7,386.0	7,386.0
04:30	1.00	23.50	2	Drill 63' on cement plug from 7279' to 7443'. Average ROP with 5-10k WOB still 99 ft/hr.	7,386.0	7,443.0
05:30	0.50	24.00	5	Circulate bottoms up for cement samples.	7,443.0	7,443.0

Mud Check: 8,061.0ftKB, 4/19/2014 14:00

Date 4/19/2014	Depth (ftKB) 8,061.0	Density (lb/gal) 14.50	Vis (s/qt) 58	PV OR (Pa*s) 28.0	YP OR (lb/1...) 14.000	Gel (10s) (lb...) 11.000	Gel (10m) (lb...) 15.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...)
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 28,000.000	Calcium (mg/L) 12,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7	
Mud Lost (Hole) (bbl) 0.0	Mud Lost (Surf) (bbl) 0.0	LCM	ECD - Manual Entr...		T Flowline (°F)		Comment					



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/20/2014

Report #: 28, DFS: 21.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036		Excaliber ID 74*31446		Well Area Paradox		Basin Paradox Basin		Regulatory Field Name Cane Creek		Well Configuration Type Horizontal		
County Grand		State/Province UT		Graded Ground Elevation (ft) 5,152.00		KB-Ground Distance (ft) 23.00		Spud Date 1/25/2014 00:00		Rig Release Date		
Mud Check: <depth>ftKB, 4/20/2014 14:00												
Date 4/20/2014	Depth (ftKB)	Density (lb/gal) 14.45	Vis (s/qt) 65	PV OR (Pa*s) 31.0	YP OR (lb/1...) 14.000	Gel (10s) (lb...) 12.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL...)	FC (1/32")	HTHP Filtrat... 4.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 400,000.00	Calcium (mg/L) 11,800.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 78.9/21.1	
Mud Lost (Hole) (bbl) 10.0	Mud Lost (Surf) (bbl) 21.0	LCM		ECD - Manual Entr...		T Flowline (°F)		Comment				
Daily Drilling Performance												
Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)		
Casing & Liners												
Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)			
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2			
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615			
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681			



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/21/2014

Report #: 29, DFS: 22.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excilber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/20/2014 06:00	Report End Date 4/21/2014 06:00	Days From Spud (days) 22.54	Start Depth (ftKB) 7,088.0	End Depth (ftKB) 7,088.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Dressing off cement kickoff plug @ 7562'.

Operations Summary

Wait on cement 10:30 AM. Dress cement plug to 7543'. Circ hole clean. POOH. PU directional tools for 8.5" curve, tag w/ directional tools @ 3:30am. Start kick off of plug @ azm 341 From 7543'-7562'

Operations Next Report Period

Drilling

Weather
Sunny and ClearWellbore
Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	4.50	4.50	5	Circulate Wait on cement till 10:30am (24hrs)	7,443.0	7,443.0
10:30	2.50	7.00	2	Dress plug from 7443' to KOP @ 7543'.	7,443.0	7,543.0
13:00	0.50	7.50	5	Circ hole clean.	7,543.0	7,543.0
13:30	3.00	10.50	6	Flow check - no flow. POOH from 7543' to 1649'.	7,543.0	7,543.0
16:30	0.50	11.00	22	Pull Rotating Head Rubber. Install Trip Nipple.	7,543.0	7,543.0
17:00	1.00	12.00	6	Finish POOH from 1649' to surface.	7,543.0	7,543.0
18:00	0.50	12.50	6	Laying down rotating head/ install trip nipple, function Blind and Pipe Rams.	7,543.0	7,543.0
18:30	0.50	13.00	22	Hold PJSM with Pathfinder Directional/MWD.	7,543.0	7,543.0
19:00	3.00	16.00	20	Pick up directional tools for drilling the Curve from 7543'-8574' at a build rate of 10deg/100ft	7,543.0	7,543.0
22:00	5.00	21.00	6	RIH to 7543'	7,543.0	7,543.0
03:00	0.50	21.50	7	Service Rig.	7,543.0	7,543.0
03:30	2.50	24.00	2	Drilling: Kicking off cement plug, AZM. of 341 N/E Start kick off at 7543' to 7562' 8-10 ROP	7,543.0	7,562.0

Mud Check: 7,543.0ftKB, 4/20/2014 14:00

Date 4/20/2014	Depth (ftKB) 7,543.0	Density (lb/gal) 14.55	Vis (s/qt) 58	PV OR (Pa*s) 30.0	YP OR (lb/1...) 15.000	Gel (10s) (lb...) 13.000	Gel (10m) (lb...) 18.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 3.4	HTHP Filtrat... 3.4	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 38,000.000	Calcium (mg/L) 12,400.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7	
Mud Lost (Hole) (bbl) 21.0	Mud Lost (Surf) (bbl) 18.0	LCM	ECD - Manual Entr... 109.0	T Flowline (°F)	Comment							

Mud Check: <depth>ftKB, 4/21/2014 14:00

Date 4/21/2014	Depth (ftKB) 7,543.0	Density (lb/gal) 14.60	Vis (s/qt) 66	PV OR (Pa*s) 32.0	YP OR (lb/1...) 15.000	Gel (10s) (lb...) 13.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 3.0	HTHP Filtrat... 3.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 35,000.000	Calcium (mg/L) 8,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7	
Mud Lost (Hole) (bbl) 21.0	Mud Lost (Surf) (bbl) 18.0	LCM	ECD - Manual Entr... 0.0	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 7,543.0	Depth Out (ft...) 7,591.0	Drilled (ft) 48.00	Date In 4/21/2014 03:30	Date Out 4/21/2014 11:00	Drill Time (hr) 7.50	BHA ROP (ft/hr) 6.4	Rot Time (hr) 7.50	Slide Time (hr) 100.00	% Slide Time... 100.00	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/22/2014

Report #: 30, DFS: 23.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/21/2014 06:00	Report End Date 4/22/2014 06:00	Days From Spud (days) 23.54	Start Depth (ftKB) 7,088.0	End Depth (ftKB) 7,088.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Working stuck pipe.

Operations Summary

Drilling/sliding from 7543'-7591'. Work stuck pipe.

Operations Next Report Period

Fishing

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Rajmon Williams	Company Man / WSL	(970) 412-8038

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	5.00	5.00	2	Drill off cement plug from 7562' to 7591' (95% salt & 5% cement @9571').	7,562.0	7,591.0
11:00	0.50	5.50	22	Work stuck pipe. Only able to pull 22K over string weight due to hole packing off. Unable to rotate drill string.	7,591.0	7,591.0
11:30	1.00	6.50	22	Hole packing off - Adjust pump rate from 350 to 450 gpm while working stuck pipe. Pressure dropped to normal circulating rate but still unable to rotate or reciprocate. Shakers had a small quantity of cement cuttings ranging from 0.25" to 1.25" diameter.	7,591.0	7,591.0
12:30	6.50	13.00	22	Work stuck pipe. Pull up to 150k over string weight with 450 gpm and slack off to zero string weight with 16k ft-lbs trapped torque - no pipe movement. Pull 10k over string weight with 16k ft-lbs torque - no change. Pump 30 bbl FW sweep around - no change. last sample was 70%salt 30% cement	7,591.0	7,591.0
19:00	2.50	15.50	22	Work stuck pipe. Pull up to 185k over string weight with 283 gpm - string weight fell off to 270k and pipe moved up 4'. Pulled back to 185k over string weight - no change. Working pipe from 200k-345k slowly gaining 2/10-5/10, 442 GPM 3300psi pump 25 bbl LCM sweep, opened up to flow line packing off MPD Chokes, 13 Unit of back round gas	7,591.0	7,591.0
21:30	2.50	18.00	22	Work stuck pipe.7570'-7566' Pull up to 345k then slack off to 220k back up to 345k, crippled pump discharge valve 21:30-22:00 attempt to rock the pipe loose @110stks on one pump, no gain, Sent 25bbl LCM sweep, spp3200 422GPM	7,591.0	7,591.0
00:00	1.00	19.00	22	Nabors tool pusher Kurt Cleveland pulled 370 held for 15 min, no change in pipe movement Pump up weight indicator/ check crown shives,TD shives. circulating 423gpm @ 3250spp.	7,591.0	7,591.0
01:00	2.00	21.00	22	Work Stuck Pipe: Send two 25bbl LCM sweep work from 220k to 345k apply 6-10k torque work pipe 180k to 80k, Slow pump down to 282GPM work pipe for one hour a@120k-345k re apply torque and work continually up and down	7,591.0	7,591.0
03:00	3.00	24.00	22	Work Stuck Pipe pulling 195k over string weight (345k) Circulating @423gpm and 3240spp, apply 6-10k torque work pipe 180k to 80k, 25bbl LCM sweep, rotating @ 16k torque 7 wraps did not break free.90%salt 10% cement	7,591.0	7,591.0

Mud Check: 7,591.0ftKB, 4/21/2014 15:00

Mud Check: 7.5510142, 4.212014 15.00												
Date 4/21/2014	Depth (ftKB) 7,591.0	Density (lb/gal) 14.60	Vis (s/qt) 56	PV OR (Pa*s) 30.0	YP OR (lb/1... 15.000	Gel (10s) (lb... 13.000	Gel (10m) (lb... 19.000	Gel (30m) (lb... 19.000	Filtrate (mL/... 29.0	FC (1/32") 2.0	HTHP Filtrat... 2	HTHP FC (1... 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 35,000.000	Calcium (mg/L) 18,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7	
Mud Lost (Hole) (bbl) 8.0	Mud Lost (Surf) (bbl) 3.0	LCM	ECD - Manual Entr...	T Flowline (°F) 116.0	Comment							



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/22/2014

Report #: 30, DFS: 23.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036		Excaliber ID 74*31446		Well Area Paradox		Basin Paradox Basin		Regulatory Field Name Cane Creek		Well Configuration Type Horizontal		
County Grand		State/Province UT		Graded Ground Elevation (ft) 5,152.00		KB-Ground Distance (ft) 23.00		Spud Date 1/25/2014 00:00		Rig Release Date		
Mud Check: <depth>ftKB, 4/22/2014 15:00												
Date 4/22/2014	Depth (ftKB)	Density (lb/gal) 14.60	Vis (s/qt) 60	PV OR (Pa*s) 30.0	YP OR (lb/1...) 19.000	Gel (10s) (lb...) 15.000	Gel (10m) (lb...) 25.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 300,000.00	Calcium (mg/L) 8,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 78.9/21.1	
Mud Lost (Hole) (bbl) 8.0	Mud Lost (Surf) (bbl) 33.0	LCM		ECD - Manual Entr...	T Flowline (°F) 100.0	Comment						
Daily Drilling Performance												
Depth In (ftKB) 7,543.0	Depth Out (ft...) 7,591.0	Drilled (ft) 48.00	Date In 4/21/2014 03:30	Date Out 4/21/2014 11:00	Drill Time (hr) 7.50	BHA ROP (ft/hr) 6.4	Rot Time (hr)	Slide Time (hr) 7.50	% Slide Time...	% Rot Time (%) 100.00		
Casing & Liners												
Run Date	Csg Des			Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)	
1/25/2014	Conductor			133.0	30.0	20	19.500		API 5L	20	19 1/2	
3/31/2014	Surface			1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615	
4/8/2014	Intermediate			5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681	



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/23/2014

Report #: 31, DFS: 24.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/22/2014 06:00	Report End Date 4/23/2014 06:00	Days From Spud (days) 24.54	Start Depth (ftKB) 7,591.0	End Depth (ftKB) 7,591.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Unload Fishing Tools and Move 6.25 Drill Collors to Rig Pipe Racks

Operations Summary

Work Stuck Pipe. Run Free-Point Indicator. Perform Back-Off @7406' (160' of fish left in hole).

Operations Next Report Period

Fishing

Weather Cloudy	Wellbore Original Hole
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Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	22	Inspect all handling equipment, derrick and top drive while wait on DCT Wireline Truck and Slaugh Fishing Hand.	7,591.0	7,591.0
08:00	7.50	9.50	22	Spot 30 bbls FW around BHA. Pull 150k over string weight and pump 2-3 bbls every 30 min while wait on DCT Wireline Truck and Slaugh Fishing Hand - no pipe movement.	7,591.0	7,591.0
15:30	3.00	12.50	22	Hold PJSM with DCT Wireline Crew & Slaugh Fishing Hands. RU Wireline.	7,591.0	7,591.0
18:30	2.50	15.00	22	RIH with Free-Point Indicator Tool on wireline @500 ft/min. Stuck point somewhere below MWD Tool (top of MWD 63' from bit). Plan to backoff above the first joint of 4.5" DP in the hole (160' from bit). POOH with Free-Point Tool. LD same.	7,591.0	7,591.0
21:00	4.00	19.00	22	PU & RIH with String-Shot Back-Off Tool on wireline @450 ft/min. POOH due to CCL malfunction. Replace CCL Tool. RIH with String-Shot Back-Off Tool and position tool for back-off depth of ±7406'. Trap 5 rounds reverse torque and detonate - successful backoff. POOH with String-Shot Back-Off Tool. LD same.	7,591.0	7,591.0
01:00	5.00	24.00	6	Trip out Hole From 7406 to Surface and Remove Rotating Head and Start to unload Fishing Tools@ 0600 Hrs	7,591.0	7,591.0

Mud Check: 7,591.0ftKB, 4/22/2014 13:00

Date 4/22/2014	Depth (ftKB) 7,591.0	Density (lb/gal) 14.70	Vis (s/qt) 58	PV OR (Pa*s) 30.0	YP OR (lb/1...) 17.000	Gel (10s) (lb...) 13.000	Gel (10m) (lb...) 19.000	Gel (30m) (lb...) 19.000	Filtrate (mL/...) FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 48,000.000	Calcium (mg/L) 11,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 31.0	CaCl (ppm)	Oil Water Ratio 80.4/19.6
Mud Lost (Hole) (bbl) 32.0	Mud Lost (Surf) (bbl) 33.0	LCM	ECD - Manual Entr... 14.98	T Flowline (°F)	Comment						

Mud Check: <depth>ftKB, 4/23/2014 02:00

Date 4/23/2014	Depth (ftKB)	Density (lb/gal) 14.70	Vis (s/qt) 55	PV OR (Pa*s) 24.0	YP OR (lb/1...) 11.000	Gel (10s) (lb...) 9.000	Gel (10m) (lb...) 14.000	Gel (30m) (lb...) 14.000	Filtrate (mL/...) FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 30,000.000	Calcium (mg/L) 8,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 81.6/18.4
Mud Lost (Hole) (bbl) 32.0	Mud Lost (Surf) (bbl) 33.0	LCM	ECD - Manual Entr... 14.98	T Flowline (°F)	Comment						

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/24/2014

Report #: 32, DFS: 25.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/23/2014 06:00	Report End Date 4/24/2014 06:00	Days From Spud (days) 25.54	Start Depth (ftKB) 7,591.0	End Depth (ftKB) 7,591.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time

Slip and Cut Drill Line

Operations Summary

PU & TIH with Fishing Assy. Circ btms up. Jar Fish Free and POOH. LD Fishing Assy. PU 8.5" Curve Assy. RIH to 5000'. RU to Slip & Cut Drill line.

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	6	PU Fishing Assembly: Screw-In Sub, Bumper Sub, Jars, 5 x DC's, Energizer.	7,591.0	7,591.0
07:00	5.00	6.00	6	TIH with Fishing Assy. Tag fish @7408'.	7,591.0	7,591.0
12:00	1.00	7.00	5	Circ btms up. Max gas= 45 units.	7,591.0	7,591.0
13:00	0.50	7.50	19	Jar on Fish. Start by setting Jars off @100k over string weight. Work way up to setting Jars off @180k over string weight. Repeat 8 times - Fish Came Free	7,591.0	7,591.0
13:30	7.00	14.50	6	Trip out Hole From 7591 to Surface. Remove Rotaing Head	7,591.0	7,591.0
20:30	2.50	17.00	19	Lay Down 6.25 Drill Collars, Jars and Fishing Tools. Load out Same	7,591.0	7,591.0
23:00	1.50	18.50	6	Lay Down Pathfinder Flex Collors, Mud Motor and 8.5 PDC Bit (Bit Looks Good We Run Bit Back In Hole)	7,591.0	7,591.0
00:30	1.50	20.00	6	Pick up New Pathfinder Mud Motor(G2, 2.25" fixed, 7:8 lobe, 5.0 stg, 0.29 rev/gal), Float Sub, DPM Collar HDS1 675, XO, and two Flex Collars and Test MWD Tools	7,591.0	7,591.0
02:00	3.50	23.50	6	Trip in Hole From Surface to 4960. Install Rotating Head	7,591.0	7,591.0
05:30	0.50	24.00	23	Rig up to Slip and Cut Drill Line	7,591.0	7,591.0

Mud Check: 7,591.0ftKB, 4/23/2014 14:00

Date 4/23/2014	Depth (ftKB) 7,591.0	Density (lb/gal) 14.65	Vis (s/qt) 59	PV OR (Pa*s) 35.0	YP OR (lb/1... 16.000	Gel (10s) (lb/... 12.000	Gel (10m) (lb... 20.000	Gel (30m) (lb... 20.000	Filtrate (mL/... 29.0	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1... 2
MBT (lb/bbl) pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 25,000.000	Calcium (mg/L) 7,600.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7		
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM		ECD - Manual Entr... 14.59	T Flowline (°F) 73.5	Comment						

Mud Check: <depth>ftKB, 4/24/2014 00:00

Date 4/24/2014	Depth (ftKB)	Density (lb/gal) 14.70	Vis (s/qt) 76	PV OR (Pa*s) 31.0	YP OR (lb/1...) 17.000	Gel (10s) (lb/...) 15.000	Gel (10m) (lb...) 25.000	Gel (30m) (lb...)	Filtrate (mL/...	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 30,000.000	Calcium (mg/L) 8,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 81/19	2
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...		T Flowline (°F) 0.0	Comment						

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/25/2014

Report #: 33, DFS: 26.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 201.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0		Kick Off Date 4/21/2014		Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 4/24/2014 06:00	Report End Date 4/25/2014 06:00	Days From Spud (days) 26.54	Start Depth (ftKB) 7,591.0	End Depth (ftKB) 7,792.0	Daily Depth Progress (ft) 201.00
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Operations at Report Time

Drilling 8.5 Curve Section

Operations Summary

Slip and Cut Drill Line. Trip in Hole. Circ Hole Clean. Flush out Chokes. Ream From 7540 to 7591. Drill 8.5 Curve Section from 7591 to 7792.

Operations Next Report Period

Drilling

Weather

Cloudy

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	23	Slip and Cut Drill Line	7,591.0	7,591.0
07:30	0.50	2.00	7	Service Rig and Top Drive	7,591.0	7,591.0
08:00	0.50	2.50	5	Fill 4.5 Drill Pipe and Circ @ 5300 Feet	7,591.0	7,591.0
08:30	1.00	3.50	6	Trip in Hole From 5300 to 7380	7,591.0	7,591.0
09:30	1.50	5.00	5	Circ Hole Clean @ 7380 Feet	7,591.0	7,591.0
11:00	2.00	7.00	22	Clean out Cement out of Halliburton Chokes and Flush out All Lines and Flush out Rig Chokes	7,591.0	7,591.0
13:00	2.00	9.00	3	Ream From 7540 to 7591 and Circ Hole Clean Got Back Cement on Bottoms up	7,591.0	7,591.0
15:00	7.75	16.75	20	Slide drill 8-1/2" curve section from 7591 to 7678. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,591.0	7,591.0
22:45	0.50	17.25	2	Rot drill 8-1/2" curve section from 7678 to 7690. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,678.0	7,690.0
23:15	1.25	18.50	20	Slide drill 8-1/2" curve section from 7690 to 7698. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,690.0	7,698.0
00:30	0.25	18.75	2	Rot drill 8-1/2" curve section from 7698 to 7703. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,698.0	7,703.0
00:45	0.75	19.50	20	Slide drill 8-1/2" curve section from 7703 to 7709. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,703.0	7,709.0
01:30	0.50	20.00	2	Rot drill 8-1/2" curve section from 7709 to 7724. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,709.0	7,724.0
02:00	1.50	21.50	20	Slide drill 8-1/2" curve section from 7724 to 7740. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,724.0	7,740.0
03:30	0.25	21.75	2	Rot drill 8-1/2" curve section from 7740 to 7750. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,740.0	7,750.0
03:45	1.00	22.75	20	Slide drill 8-1/2" curve section from 7750 to 7773. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,750.0	7,773.0
04:45	0.50	23.25	2	Rot drill 8-1/2" curve section from 7773 to 7788. WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,773.0	7,788.0



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/25/2014

Report #: 33, DFS: 26.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 201.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
05:15	0.75	24.00	20	Slide drill 8-1/2" curve section from 7788 to 7792 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.2 ppg.	7,788.0	7,792.0

Mud Check: 7,591.0ftKB, 4/24/2014 14:00

Date 4/24/2014	Depth (ftKB) 7,591.0	Density (lb/gal) 14.70	Vis (s/qt) 71	PV OR (Pa*s) 35.0	YP OR (lb/1...) 15.000	Gel (10s) (lb...) 12.000	Gel (10m) (lb...) 18.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 8,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.0	CaCl (ppm)	Oil Water Ratio 80.3/19.7	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 90.0	Comment							

Mud Check: <depth>ftKB, 4/25/2014 02:00

Date 4/25/2014	Depth (ftKB)	Density (lb/gal) 14.60	Vis (s/qt) 55	PV OR (Pa*s) 30.0	YP OR (lb/1...) 14.000	Gel (10s) (lb...) 11.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 60,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 81.6/18.4	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 109.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 7,591.0	Depth Out (ft...) 8,680.0	Drilled (ft) 1,089.00	Date In 4/24/2014 13:00	Date Out 4/27/2014 08:30	Drill Time (hr) 61.00	BHA ROP (ft/hr) 17.9	Rot Time (hr) 22.50	Slide Time (hr) 38.50	% Slide Time... 63.11	% Rot Time (%) 36.89
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/26/2014

Report #: 34, DFS: 27.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 459.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 441.25		Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5
Target Depth (ftKB) 13,702.0		Kick Off Date 4/21/2014		Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 4/25/2014 06:00	Report End Date 4/26/2014 06:00	Days From Spud (days) 27.54	Start Depth (ftKB) 7,792.0	End Depth (ftKB) 8,251.0	Daily Depth Progress (ft) 459.00
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Operations at Report Time

Drilling 8.5" Curve

Operations Summary

Drill 8.5" curve from 7792' to 8251

Operations Next Report Period

Drilling

Weather

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	20	Slide drill 8-1/2" curve from 7792' to 7805'. MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 17 units, no flare. MPD holding 70 psi drilling	7,792.0	7,805.0
06:30	0.50	1.00	2	Rot drill 8-1/2" curve section from 7805 to 7827 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,805.0	7,827.0
07:00	0.50	1.50	20	Slide drill 8-1/2" curve section from 7827 to 7836 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,827.0	7,836.0
07:30	0.50	2.00	2	Rot drill 8-1/2" curve section from 7836 to 7861 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,836.0	7,861.0
08:00	1.00	3.00	20	Slide drill 8-1/2" curve section from 7861 to 7870 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,861.0	7,870.0
09:00	0.50	3.50	2	Rot drill 8-1/2" curve section from 7870 to 7891 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,870.0	7,891.0
09:30	0.50	4.00	20	Slide drill 8-1/2" curve section from 7891 to 7901 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,891.0	7,901.0
10:00	1.00	5.00	2	Rot drill 8-1/2" curve section from 7901 to 7923 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,901.0	7,923.0
11:00	2.00	7.00	20	Slide drill 8-1/2" curve section from 7923 to 7932 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,923.0	7,932.0
13:00	1.00	8.00	2	Rot drill 8-1/2" curve section from 7932 to 7956 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,932.0	7,956.0
14:00	2.00	10.00	20	Slide drill 8-1/2" curve section from 7956 to 7966 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,956.0	7,966.0
16:00	0.50	10.50	2	Rot drill 8-1/2" curve section from 7966 to 7985 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,966.0	7,985.0
16:30	2.00	12.50	20	Slide drill 8-1/2" curve section from 7985 to 7997 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,985.0	7,997.0



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/26/2014

Report #: 34, DFS: 27.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 459.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
18:30	0.50	13.00	2	Rot drill 8-1/2" curve section from 7997 to 8007 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	7,997.0	8,007.0
19:00	1.50	14.50	20	Slide drill 8-1/2" curve section from 8007 to 8028 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,007.0	8,028.0
20:30	0.50	15.00	2	Rot drill 8-1/2" curve section from 8028 to 8040 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,028.0	8,040.0
21:00	0.50	15.50	20	Slide drill 8-1/2" curve section from 8040 to 8061 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,040.0	8,061.0
21:30	0.50	16.00	2	Rot drill 8-1/2" curve section from 8061 to 8071 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,061.0	8,071.0
22:00	1.00	17.00	20	Slide drill 8-1/2" curve section from 8071 to 8092 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,071.0	8,092.0
23:00	0.50	17.50	2	Rot drill 8-1/2" curve section from 8092 to 8110 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,092.0	8,110.0
23:30	1.00	18.50	20	Slide drill 8-1/2" curve section from 8110 to 8124 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,110.0	8,124.0
00:30	0.50	19.00	2	Rot drill 8-1/2" curve section from 8124 to 8140 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,124.0	8,140.0
01:00	1.00	20.00	20	Slide drill 8-1/2" curve section from 8140 to 8155 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,140.0	8,155.0
02:00	0.50	20.50	2	Rot drill 8-1/2" curve section from 8155 to 8171 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,155.0	8,171.0
02:30	0.50	21.00	20	Slide drill 8-1/2" curve section from 8171 to 8187 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,171.0	8,187.0
03:00	0.50	21.50	2	Rot drill 8-1/2" curve section from 8187 to 8199 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,187.0	8,199.0
03:30	0.50	22.00	20	Slide drill 8-1/2" curve section from 8199 to 8218 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,199.0	8,218.0
04:00	0.50	22.50	2	Rot drill 8-1/2" curve section from 8218 to 8232 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,218.0	8,232.0
04:30	1.00	23.50	20	Slide drill 8-1/2" curve section from 8232 to 8251 . WOB= 6-20 k, GPM= 457, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.6 ppg, ECD= 15.2 ppg. Bgas=25 units No Flare MPD holding 70 psi	8,232.0	8,251.0
05:30	0.50	24.00	7	Rig Service and Top Drive	8,251.0	8,251.0

Mud Check: 7,956.0ftKB, 4/25/2014 13:00

Date 4/25/2014	Depth (ftKB) 7,956.0	Density (lb/gal) 14.60	Vis (s/qt) 53	PV OR (Pa*s) 32.0	YP OR (lb/1...) 14.000	Gel (10s) (lb...) 10.000	Gel (10m) (lb...) 18.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 18,000.000	Calcium (mg/L) 5,600.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
									29.0		80.3/19.7	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 117.0	Comment							

Mud Check: <depth>ftKB, 4/26/2014 13:00

Date 4/26/2014	Depth (ftKB)	Density (lb/gal) 14.50	Vis (s/qt) 50	PV OR (Pa*s) 26.0	YP OR (lb/1...) 13.000	Gel (10s) (lb...) 9.000	Gel (10m) (lb...) 16.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat...	HTHP FC (1...
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 25,000.000	Calcium (mg/L) 6,400.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%)	CaCl (ppm)	Oil Water Ratio	
									29.5		82.3/17.7	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 118.0	Comment							



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/26/2014

Report #: 34, DFS: 27.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 459.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Daily Drilling Performance

Depth In (ftKB) 7,591.0	Depth Out (ft... 8,680.0	Drilled (ft) 1,089.00	Date In 4/24/2014 13:00	Date Out 4/27/2014 08:30	Drill Time (hr) 61.00	BHA ROP (ft/hr) 17.9	Rot Time (hr) 22.50	Slide Time (hr) 38.50	% Slide Time... 63.11	% Rot Time (%) 36.89
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/27/2014

Report #: 35, DFS: 28.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 414.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P			Surface Legal Location Section 2 25S R18E		
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com		Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0		Kick Off Date 4/21/2014		Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)

Daily Operations

Report Start Date 4/26/2014 06:00	Report End Date 4/27/2014 06:00	Days From Spud (days) 28.54	Start Depth (ftKB) 8,251.0	End Depth (ftKB) 8,665.0	Daily Depth Progress (ft) 414.00
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Operations at Report Time

Drilling 8.5" Curve.

Operations Summary

Drill 8.5" curve from 8251' to 8665'. Service Rig.

Operations Next Report Period

Trips

Weather

Rain

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	2	Rotary drill 8-1/2" curve from 8251' to 8264'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 23 units, no flare. MPD holding 70 psi drilling	8,251.0	8,264.0
06:30	0.50	1.00	20	Slide drill 8-1/2" curve from 8264' to 8283'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 23 units, no flare. MPD holding 70 psi drilling	8,264.0	8,283.0
07:00	0.50	1.50	2	Rotary drill 8-1/2" curve from 8264' to 8298'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 23 units, no flare. MPD holding 70 psi drilling	8,283.0	8,298.0
07:30	0.50	2.00	20	Slide drill 8-1/2" curve from 8298' to 8313'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 23 units, no flare. MPD holding 70 psi drilling	8,298.0	8,313.0
08:00	0.50	2.50	2	Rotary drill 8-1/2" curve from 8313' to 8327'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 23 units, no flare. MPD holding 70 psi drilling	8,313.0	8,327.0
08:30	1.00	3.50	20	Slide drill 8-1/2" curve from 8327' to 8348'. MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,327.0	8,348.0
09:30	0.50	4.00	2	Rotary drill 8-1/2" curve from 8348' to 8358'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,348.0	8,358.0
10:00	0.50	4.50	20	Slide drill 8-1/2" curve from 8358' to 8379'. MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,358.0	8,379.0
10:30	0.50	5.00	2	Rotary drill 8-1/2" curve from 8379' to 8394'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,379.0	8,394.0
11:00	1.00	6.00	20	Slide drill 8-1/2" curve from 8394' to 8407'. MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,394.0	8,407.0
12:00	0.50	6.50	7	Service Rig and Top Drive	8,407.0	8,407.0
12:30	5.00	11.50	2	Rotary drill 8-1/2" curve from 8407' to 8548'. MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,407.0	8,548.0
17:30	2.00	13.50	20	Slide drill 8-1/2" curve from 8548' to 8570'. MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,548.0	8,570.0
19:30	1.50	15.00	3	Ream Tight Spot From 8553 to 8570 and Circ Bottoms up @ 8570	8,570.0	8,570.0



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/27/2014

Report #: 35, DFS: 28.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 414.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
21:00	1.00	16.00	2	Rotary drill 8-1/2"curve from 8570 ' to 8586 ' . MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,570.0	8,586.0
22:00	1.50	17.50	20	Slide drill 8-1/2"curve from 8586 ' to 8501 ' . MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,586.0	8,601.0
23:30	1.50	19.00	2	Rotary drill 8-1/2"curve from 8601 ' to 8624 ' . MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,601.0	8,624.0
01:00	1.50	20.50	20	Slide drill 8-1/2"curve from 8624 ' to 8634 ' . MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 20 units, no flare. MPD holding 70 psi drilling	8,624.0	8,634.0
02:30	2.00	22.50	2	Rotary drill 8-1/2"curve from 8634 ' to 8655 ' . MW= 14.5+ ppg, ECD= 15.3 ppg. Bgas= 18 units, no flare. MPD holding 70 psi drilling	8,634.0	8,655.0
04:30	1.50	24.00	20	Slide drill 8-1/2"curve from 8624 ' to 8665 ' . MW= 14.5+ ppg, ECD= 15.2 ppg. Bgas= 40 units, no flare. MPD holding 70 psi drilling	8,655.0	8,665.0

Mud Check: 8,504.0ftKB, 4/26/2014 13:00

Date 4/26/2014	Depth (ftKB) 8,504.0	Density (lb/gal) 14.60	Vis (s/qt) 54	PV OR (Pa*s) 28.0	YP OR (lb/100) 13.000	Gel (10s) (lb/100) 11.000	Gel (10m) (lb/100) 18.000	Gel (30m) (lb/100)	Filtrate (mL/30min) 29.5	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1000psi) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 25,000.000	Calcium (mg/L) 6,400.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 83/17	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F) 118.0	Comment							

Mud Check: <depth>ftKB, 4/27/2014 13:00

Date 4/27/2014	Depth (ftKB) 14.60	Density (lb/gal) 14.60	Vis (s/qt) 55	PV OR (Pa*s) 30.0	YP OR (lb/100) 12.000	Gel (10s) (lb/100) 9.000	Gel (10m) (lb/100) 16.000	Gel (30m) (lb/100)	Filtrate (mL/30min) 29.5	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1000psi) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 6,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 82.3/17.7	
Mud Lost (Hole) (bbl) 24.0	Mud Lost (Surf) (bbl) 10.0	LCM	ECD - Manual Entr...	T Flowline (°F) 113.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 7,591.0	Depth Out (ftKB) 8,680.0	Drilled (ft) 1,089.00	Date In 4/24/2014 13:00	Date Out 4/27/2014 08:30	Drill Time (hr) 61.00	BHA ROP (ft/hr) 17.9	Rot Time (hr) 22.50	Slide Time (hr) 38.50	% Slide Time... 63.11	% Rot Time (%) 36.89
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/28/2014

Report #: 36, DFS: 29.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 15.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/27/2014 06:00	Report End Date 4/28/2014 06:00	Days From Spud (days) 29.54	Start Depth (ftKB) 8,665.0	End Depth (ftKB) 8,680.0	Daily Depth Progress (ft) 15.00
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Operations at Report Time

Testing BOPE.

Operations Summary

Drill 8.5" curve from 8665' to 8680'. Circ hole clean. POOH. LD 8.5" Curve Assy. Test BOPE.

Operations Next Report Period

Test B.O.P.

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	5	Reciprocate pipe while circ and condition hole due to high ECD's & torque. Circulated three 10 bbl sweeps around.	8,665.0	8,665.0
08:00	0.50	2.50	2	Rotary drill 8-1/2" curve from 8665' to 8680'. MW= 14.6 ppg, ECD= 16.8 ppg. Bgas= 40 units, no flare. MPD holding 65 psi drilling	8,665.0	8,680.0
08:30	1.50	4.00	5	Reciprocate pipe while circ hole clean. Flow check well - no flow.	8,680.0	8,680.0
10:00	0.50	4.50	6	POOH from 8680' to tight spot @8393' - pulled 50k over string weight.	8,680.0	8,680.0
10:30	2.50	7.00	5	Work thru tight spots from 8310' to 8401' while circulating @457 gpm.	8,680.0	8,680.0
13:00	3.50	10.50	6	Cont. POOH from 8401' to 5150' - tight from 8401' to 7990'. ***Hold BOP Trip Drill***	8,680.0	8,680.0
16:30	3.00	13.50	5	Displace 14.6 ppg Invert mud with 16.0 ppg Invert for Mud Cap @ 5150'. ***Contacted Dan Jarvis with Utah DNR about intent to test BOPE***	8,680.0	8,680.0
19:30	0.50	14.00	5	Pump 35 bbls 17.0 ppg Slug @ 5150. Move 70 bbls 16.0 ppg Mud to Trip Tank. Flow Check Well - no flow.	8,680.0	8,680.0
20:00	4.00	18.00	6	Trip out Hole From 5150 to 495	8,680.0	8,680.0
00:00	0.50	18.50	22	Remove Rotating Head. Lay Down Same	8,680.0	8,680.0
00:30	2.00	20.50	6	Lay Down Pathfinder Directional BHA, Bit, Motor and MWD	8,680.0	8,680.0
02:30	0.50	21.00	23	Pull Wearbushing. Hold PJSM with Cameron BOP Testers.	8,680.0	8,680.0
03:00	3.00	24.00	15	Rig up Cameron BOP Testers. Test Halliburton Equipment, Choke Manifold and VBR's to 250 low/ 10,000 psi high for 10 min each.	8,680.0	868.0

Mud Check: 8,608.0ftKB, 4/27/2014 10:00

Date 4/27/2014	Depth (ftKB) 8,608.0	Density (lb/gal) 14.65	Vis (s/qt) 53	PV OR (Pa*s) 21.0	YP OR (lb/1...) 12.000	Gel (10s) (lb...) 9.000	Gel (10m) (lb...) 17.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 18,000.000	Calcium (mg/L) 6,000.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 82.3/17.7	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr... 115.0	T Flowline (°F)	Comment							

Mud Check: <depth>ftKB, 4/28/2014 10:00

Date 4/28/2014	Depth (ftKB)	Density (lb/gal) 14.75	Vis (s/qt) 60	PV OR (Pa*s) 30.0	YP OR (lb/1...) 15.000	Gel (10s) (lb...) 12.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32")	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 5,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 29.5	CaCl (ppm)	Oil Water Ratio 82.9/17.1	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr... 0.0	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB) 7,591.0	Depth Out (ft...) 8,680.0	Drilled (ft) 1,089.00	Date In 4/24/2014 13:00	Date Out 4/27/2014 08:30	Drill Time (hr) 61.00	BHA ROP (ft/hr) 17.9	Rot Time (hr) 22.50	Slide Time (hr) 38.50	% Slide Time... 63.11	% Rot Time (%) 36.89
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/28/2014

Report #: 36, DFS: 29.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 15.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/29/2014

Report #: 37, DFS: 30.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 0.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/28/2014 06:00	Report End Date 4/29/2014 06:00	Days From Spud (days) 30.54	Start Depth (ftKB) 8,680.0	End Depth (ftKB) 8,680.0	Daily Depth Progress (ft) 0.00
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Operations at Report Time
Trip in Hole @ 7600

Operations Summary

Finish testing BOPE. PU 8.5" Lateral Assy. TIH to 5150'. Displace 16.0 ppg KWM with 14.6 ppg OBM. Work on Mud Pumps Test MWD and Trip in Hole to 7600

Operations Next Report Period

Drilling

Weather

Sunny and Clear

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	4.50	4.50	15	Test Upper & Lower VBR's, Manual Choke, Outer Kill, HCR and Kill Check Valve to 250 low/ 10000 psi high for 10 min each. Test Annular to 250 low/ 5000 psi high for 10 min each.	8,680.0	8,680.0
10:30	0.50	5.00	15	Rig Down Cameron Testers	8,680.0	8,680.0
11:00	1.00	6.00	22	Install Wearbushing and Trip Nipple.	8,680.0	8,680.0
12:00	0.50	6.50	22	Hold PJSM on picking up and making up BHA.	8,680.0	8,680.0
12:30	4.00	10.50	22	PU 8.5" Lateral Assy (Smith 611MPX PDC Bit, iPZIG LXM, Pathfinder G2 Motor (1.5° Adj, 7:8, 5.0 stg, 0.29 rpg), Float Sub, iPZIG UXM, DPM, MWD Collar, XO, NMDC, NMDC, Filter Sub, XO, Thruster Shock Sub, Well Commander Ball Catcher, Well Commander Circ Sub, Well Commander Float Sub, XO).	8,680.0	8,680.0
16:30	4.50	15.00	6	TIH with 8.5" lateral assembly From Surface to 5170	8,680.0	8,680.0
21:00	0.50	15.50	7	Service Rig and Top Drive and Grease Blocks and Swivel	8,680.0	8,680.0
21:30	1.00	16.50	23	Remove Trip Nipple and Change Rotation Head	8,680.0	8,680.0
22:30	2.50	19.00	5	Displace 16.0 ppg Invert mud with 14.6 ppg Invert @ 5170 Total bbls 378.	8,680.0	8,680.0
01:00	1.50	20.50	23	Working on Pumps Mud Pumps Where Aired up Clean Suction and go Through Both Pumps Check Valves and Sets and Check Gaskets (Getting a Seat Puller From M40 to Change Seat on # 2 Mud Pump)	8,680.0	8,680.0
02:30	0.50	21.00	5	Testing MWD Tools @ 5170 '	8,680.0	8,680.0
03:00	2.00	23.00	6	Trip in Hole with Lateral Assembly From 5170 to 6701	8,680.0	8,680.0
05:00	0.50	23.50	6	Lay Down Drilling Jars	8,680.0	8,680.0
05:30	0.50	24.00	6	Trip in Hole with Lateral Assembly From 6701 to 7600	8,680.0	8,680.0

Mud Check: 8,680.0ftKB, 4/28/2014 13:00

Date 4/28/2014	Depth (ftKB) 8,680.0	Density (lb/gal) 14.50	Vis (s/qt) 60	PV OR (Pa*s) 24.0	YP OR (lb/1...) 12.000	Gel (10s) (lb...) 9.000	Gel (10m) (lb...) 16.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	PF (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 17,000.000	Calcium (mg/L) 5,200.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 28.5	CaCl (ppm)	Oil Water Ratio 84.6/15.4	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Mud Check: <depth>ftKB, 4/29/2014 02:00

Date 4/29/2014	Depth (ftKB)	Density (lb/gal) 14.75	Vis (s/qt) 74	PV OR (Pa*s) 27.0	YP OR (lb/1...) 13.000	Gel (10s) (lb...) 12.000	Gel (10m) (lb...) 20.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 2.0	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	PF (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 5,600.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 30.0	CaCl (ppm)	Oil Water Ratio 82.9/17.1	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment							

Daily Drilling Performance

Depth In (ftKB)	Depth Out (ft...)	Drilled (ft)	Date In	Date Out	Drill Time (hr)	BHA ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	% Slide Time...	% Rot Time (%)
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/29/2014

Report #: 37, DFS: 30.54

Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 2-1-25-18

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/30/2014

Report #: 38, DFS: 31.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 450.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date
Operator Fidelity E&P	Surface Legal Location Section 2 25S R18E				
Rig Nabors Drilling M38	Company Man/Well Site Lead Doug Long	Rig Email Address NaborsM38@fidelityepco.com	Rig Phone Number (970) 361-3297	Rig Release Previous Well 3/23/2014 12:00	Rig Release Date
Drilling Hours (hr) 441.25	Circulating Hours (hr) 64.00	Job ROP (ft/hr) 30.6	Job ROP Rotating (ft/hr) 39.0	Job ROP Sliding (ft/hr) 9.5	Job Rotating % (%) 71.56
Target Depth (ftKB) 13,702.0	Kick Off Date 4/21/2014	Kick Off Depth (ftKB) 7,543.0	Kick Off Depth (TVD) (ftKB)	Total Job Percent Sliding (%) 28.44	

Daily Operations

Report Start Date 4/29/2014 06:00	Report End Date 4/30/2014 06:00	Days From Spud (days) 31.54	Start Depth (ftKB) 8,680.0	End Depth (ftKB) 9,130.0	Daily Depth Progress (ft) 450.00
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Operations at Report Time

Drilling 8.5 Lateral Hole

Operations Summary

We are drilling ahead at 9130', near the top of Cane Creek Target interval. Back ground gas is 50 units, Connection gas is 100 units, We had a 715 unit show from the base of the A4. The formation is dipping 3 deg down. Near bit INC is 85.65.

ROP is 30-70 ft/hr rotating and 10-20 ft/hr sliding Mud wt is 14.5, ECD is 15.3

Operations Next Report Period

Drilling

Weather

Cloudy

Wellbore

Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	6	Trip in hole 4 stand tag up @ 8,028' Install pipe screen.	8,680.0	8,680.0
06:30	3.00	3.50	3	Wash and Reamed 6 stands F/ 8,028' T/ 8,510'	8,680.0	8,680.0
09:30	2.50	6.00	20	Directional work - Gamma Logging F/ 8,510' T/ 8,680'	8,680.0	8,680.0
12:00	4.50	10.50	2	Rotary drill 8-1/2"Lateral from 8,680' to 8,784' . MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 100 units, no flare. MPD holding 70 psi drilling	8,680.0	8,784.0
16:30	1.50	12.00	20	Slide drill 8-1/2"Lateral from 8,680' to 8,784' . MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 100 units, no flare. MPD holding 70 psi drilling	8,784.0	8,794.0
18:00	7.50	19.50	2	Rotary drill 8-1/2"Lateral from 8,794' to 9024' . MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 100 units, no flare. MPD holding 70 psi drilling	8,794.0	9,024.0
01:30	1.50	21.00	20	Slide drill 8-1/2"Lateral from 8,794' to 9024' . MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 100 units, no flare. MPD holding 70 psi drilling Diff/psi = 220	9,024.0	9,046.0
03:00	3.00	24.00	2	Rotary drill 8-1/2"Lateral from 9046' to 9130' . MW= 14.6+ ppg, ECD= 15.3 ppg. Bgas= 100 units, no flare. MPD holding 70 psi drilling Diff/psi = 400	9,046.0	9,131.0

Mud Check: 8,723.0ftKB, 4/29/2014 13:00

Date 4/29/2014	Depth (ftKB) 8,723.0	Density (lb/gal) 14.80	Vis (s/qt) 55	PV OR (Pa*s) 31.0	YP OR (lb/1...) 13.000	Gel (10s) (lb/...) 11.000	Gel (10m) (lb...) 17.000	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 29.5	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L) 10,800.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 28.0	CaCl (ppm)	Oil Water Ratio 83/17	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr... 15.50	T Flowline (°F) 94.0	Comment							

Mud Check: <depth>ftKB, 4/30/2014 13:00

Date 4/30/2014	Depth (ftKB) 14.60	Density (lb/gal) 46	Vis (s/qt) 23.0	PV OR (Pa*s) 12.000	YP OR (lb/1...) 9.000	Gel (10s) (lb/...) 15.000	Gel (10m) (lb...)	Gel (30m) (lb...)	Filtrate (mL/...)	FC (1/32") 28.0	HTHP Filtrat... 2.0	HTHP FC (1...) 2
MBT (lb/bbl)	pH	Pm (mL/mL)	Pf (mL/mL)	Mf (mL/mL)	Chlorides (mg/L) 35,000.000	Calcium (mg/L) 12,800.000	Pot (mg/L)	Lime (lb/bbl)	Solids (%) 28.0	CaCl (ppm)	Oil Water Ratio 85.4/14.6	
Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr... 15.03	T Flowline (°F) 115.0	Comment							

Daily Drilling Performance

Depth In (ftKB) 8,680.0	Depth Out (ft...) 11,756.0	Drilled (ft) 3,076.00	Date In 4/29/2014 12:00	Date Out 5/3/2014 03:00	Drill Time (hr) 84.00	BHA ROP (ft/hr) 36.6	Rot Time (hr) 61.00	Slide Time (hr) 23.00	% Slide Time... 27.38	% Rot Time (%) 72.62
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Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
1/25/2014	Conductor	133.0	30.0	20	19.500		API 5L	20	19 1/2



Daily Drilling - Paradox Executive Daily No Cost

Report for: 4/30/2014

Report #: 38, DFS: 31.54

Well Name: Cane Creek Unit 2-1-25-18

Daily Depth Progress: 450.00

API/UWI 43-019-50036	Excaliber ID 74*31446	Well Area Paradox	Basin Paradox Basin	Regulatory Field Name Cane Creek	Well Configuration Type Horizontal
County Grand	State/Province UT	Graded Ground Elevation (ft) 5,152.00	KB-Ground Distance (ft) 23.00	Spud Date 1/25/2014 00:00	Rig Release Date

Casing & Liners

Run Date	Csg Des	Set Depth (ftKB)	Top (ftKB)	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	OD Nom Max (in)	ID Nom Min (in)
3/31/2014	Surface	1,128.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
4/8/2014	Intermediate	5,050.0	25.7	9 5/8	8.681	47.00	P-110	9 5/8	8.681

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1700 Lincoln Street Ste 2800 , Denver, CO, 80203		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2390 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
PHONE NUMBER: 720 931-6459 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/6/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
	OTHER: <input style="width: 100px;" type="text" value="change of direction"/>		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Fidelity Exploration requests permission to slightly change the direction of the horizontal leg of this well because the current well bore has encountered few fractures. By steering the well over a small structure to the east (which has been mapped on seismic) it is anticipated the wellbore will penetrate a more highly fractured interval. Please see the attached directional survey.

Approved by the
Utah Division of
Oil, Gas and Mining
May 07, 2014

Date: _____

By: *Derek Duff*

NAME (PLEASE PRINT) Joy Gardner	PHONE NUMBER 720 956-5763	TITLE Sr. Engineering Tech
SIGNATURE N/A	DATE 5/7/2014	



Fidelity

ST1 R3

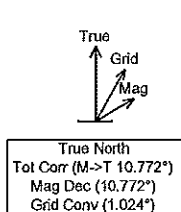


Borehole:	Well:	Field:	Structure:
ST1	CCU 2-1-25-18	UT, Grand County (NAD 83 CZ)	02-25S-18E - Nabors M38

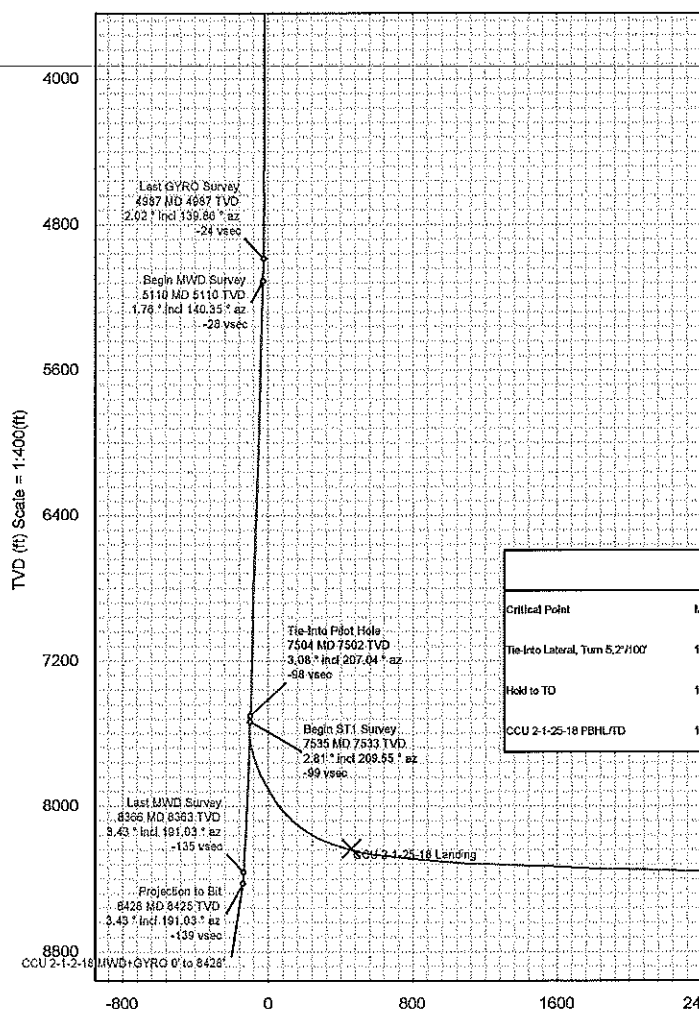
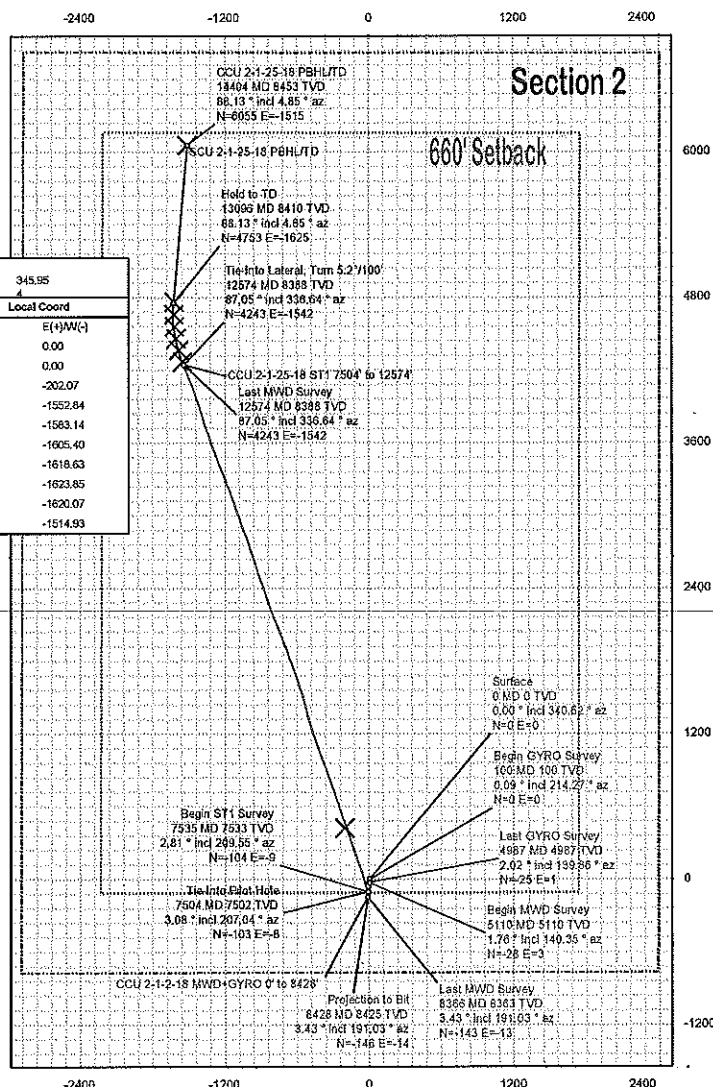
Gravity & Magnetic Parameters	Surface Location	Miscellaneous
Model: BGGM 2013 Dip: 64.814° Date: 18-Mar-2014	NAD83 Utah State Plane, Central Zone, US Feet	Slot: CCU 2-1-25-18 TVD Ref: RKB(5177R above MSL)
MagDec: 10.772° FS: 51170.888nT Gravity FS: 999.196mgn (9.80665 Based)	Lat: N 38 39 14.18 Northing: 6682527.31R Grid Conv: 1.0239°	Plan: CCU 2-1-25-18H ST1 R3 mdv 05May14
	Lon: W 109 54 5.76 Easting: 2096923.193R Scale Fact: 1.00010923	

EW (ft) Scale = 1:600(ft)

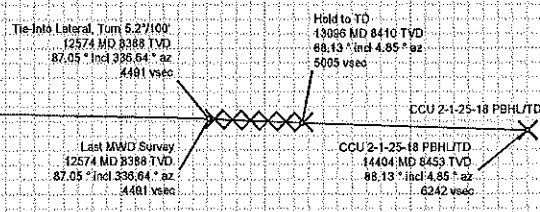
Proposal



Surface Location						
Northing: 6682527.31		Easting: 2096923.193		Latitude: N 38 39 14.18		VSec Azimuth: 345.95
Target Description	Latitude	Longitude	Northing	Easting	TVD	VSec
CCU 2-1-25-18H 660' Setback	N 38 39 14.18	W 109 54 5.76	6682527.31	2096923.19	5177.00	0.00
CCU 2-1-25-18H Section Line	N 38 39 14.18	W 109 54 5.76	6682527.31	2096923.19	5177.00	0.00
CCU 2-1-25-18H Landing	N 38 39 18.35	W 109 54 8.30	6682945.98	2096713.59	8233.00	458.72
CCU 2-1-25-18H T1	N 38 39 56.38	W 109 54 25.39	6686768.63	2095294.14	8388.10	4518.53
CCU 2-1-25-18H T2	N 38 39 57.32	W 109 54 25.72	6686863.23	2095262.14	8391.71	4618.18
CCU 2-1-25-18H T3	N 38 39 58.28	W 109 54 26.00	6686960.23	2095238.14	8395.33	4718.08
CCU 2-1-25-18H T4	N 38 39 59.26	W 109 54 26.16	6687058.93	2095223.14	8398.94	4817.27
CCU 2-1-25-18H T5	N 38 40 0.24	W 109 54 26.23	6687158.53	2095216.14	8402.55	4915.26
CCU 2-1-25-18H T6	N 38 40 1.23	W 109 54 26.16	6687258.43	2095218.14	8406.17	5011.19
CCU 2-1-25-18 PBHLTD	N 38 40 14.03	W 109 54 24.86	6688555.03	2095300.13	8453.13	6241.75



Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-into Lateral, Turn 5.2°/100'	12574.00	87.05	336.64	8387.89	4490.45	4242.99	-1542.30	
Hold to TD	13096.23	88.12	4.85	8410.33	5005.12	4752.75	-1623.33	5.40
CCU 2-1-25-18 PBHLTD	14403.96	88.12	4.85	8453.13	6241.74	6055.11	-1514.93	0.00



Vertical Section (ft) Azim = 345.94° Scale = 1:400(ft) Origin = 0N/-S, 0E/-W



CCU 2-1-25-18H ST1 R3 mdv 05May14 Proposal Geodetic Report



(Def Plan)

Report Date:	May 05, 2014 - 08:11 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Fidelity	Vertical Section Azimuth:	345.954 ° (True North)
Field:	UT, Grand County (NAD 83 CZ)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Fidelity 02-25S-18E (CCU 2-1-25-18) - Nabors M38 / CCU 2-1-25-18	TVD Reference Datum:	RKB
Well:	CCU 2-1-25-18	TVD Reference Elevation:	5177.000 ft above MSL
Borehole:	ST1	Seabed / Ground Elevation:	5154.000 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	10.772 °
Survey Name:	CCU 2-1-25-18H ST1 R3 mdv 05May14	Total Gravity Field Strength:	999.1958mgn (9.80665 Based)
Survey Date:	September 11, 2013	Gravity Model:	DOX
Tort / AHD / DDI / ERD Ratio:	202.838 ° / 8560.944 ft / 6.356 / 0.776	Total Magnetic Field Strength:	51170.888 nT
Coordinate Reference System:	NAD83 Utah State Plane, Central Zone, US Feet	Magnetic Dip Angle:	64.814 °
Location Lat / Long:	N 38° 39' 14.17680", W 109° 54' 5.75840"	Declination Date:	March 18, 2014
Location Grid N/E Y/X:	N 6682527.310 ftUS, E 2095923.193 ftUS	Magnetic Declination Model:	BGGM 2013
CRS Grid Convergence Angle:	1.0239 °	North Reference:	True North
Grid Scale Factor:	1.00010923	Grid Convergence Used:	0.0000 °
Version / Patch:	2.7.1043.0	Total Corr Mag North->True North:	10.7724 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-Into Lateral, Turn 5.2°/100'	12574.00	87.05	335.64	8387.89	4490.45	4242.99	-1542.30	N/A	6686742.51	2095305.15	N 38 39 56.12	W 109 54 25.20
	12800.00	87.09	338.05	8389.22	4516.12	4268.95	-1552.30	5.40	6686786.29	2095294.72	N 38 39 56.35	W 109 54 25.33
	12700.00	87.25	343.45	8394.16	4815.55	4361.21	-1585.22	5.40	6686859.96	2095260.11	N 38 39 57.29	W 109 54 25.74
	12800.00	87.44	348.85	8398.80	4715.40	4458.16	-1609.12	5.40	6686956.48	2095234.48	N 38 39 58.24	W 109 54 26.04
	12900.00	87.65	354.25	8403.08	4814.80	4556.95	-1623.80	5.40	6687055.00	2095218.04	N 38 39 59.22	W 109 54 26.23
	13000.00	87.88	359.65	8406.88	4912.85	4658.69	-1629.11	5.40	6687154.64	2095210.95	N 38 40 0.21	W 109 54 26.30
Hold to TD	13095.23	88.12	4.85	8410.33	5005.12	4752.75	-1625.33	5.40	6687250.77	2095213.01	N 38 40 1.16	W 109 54 26.25
	13100.00	88.12	4.85	8410.46	5008.69	4756.51	-1625.02	0.00	6687254.53	2095213.28	N 38 40 1.19	W 109 54 26.24
	13200.00	88.12	4.85	8413.73	5103.25	4858.10	-1616.57	0.00	6687354.26	2095219.92	N 38 40 2.18	W 109 54 26.14
	13300.00	88.12	4.85	8417.00	5197.82	4955.69	-1608.13	0.00	6687454.00	2095226.58	N 38 40 3.18	W 109 54 26.03
	13400.00	88.12	4.85	8420.27	5292.38	5055.28	-1599.69	0.00	6687553.73	2095233.24	N 38 40 4.15	W 109 54 25.93
	13500.00	88.12	4.85	8423.55	5386.94	5154.87	-1591.24	0.00	6687653.47	2095239.91	N 38 40 5.13	W 109 54 25.82
	13600.00	88.12	4.85	8426.82	5481.50	5254.46	-1582.80	0.00	6687753.20	2095246.57	N 38 40 6.11	W 109 54 25.71
	13700.00	88.12	4.85	8430.09	5576.07	5354.05	-1574.36	0.00	6687852.94	2095253.23	N 38 40 7.10	W 109 54 25.61
	13800.00	88.12	4.85	8433.36	5670.63	5453.63	-1565.92	0.00	6687952.67	2095259.89	N 38 40 8.08	W 109 54 25.50
	13900.00	88.12	4.85	8436.64	5765.19	5553.22	-1557.47	0.00	6688052.41	2095266.56	N 38 40 9.07	W 109 54 25.39
	14000.00	88.12	4.85	8439.91	5859.75	5652.81	-1549.03	0.00	6688152.14	2095273.22	N 38 40 10.05	W 109 54 25.29
	14100.00	88.12	4.85	8443.18	5954.32	5752.40	-1540.59	0.00	6688251.88	2095279.88	N 38 40 11.04	W 109 54 25.18
	14200.00	88.12	4.85	8446.46	6048.88	5851.99	-1532.15	0.00	6688351.61	2095286.54	N 38 40 12.02	W 109 54 25.07
	14300.00	88.12	4.85	8449.73	6143.44	5951.58	-1523.70	0.00	6688451.35	2095293.21	N 38 40 13.01	W 109 54 24.97
	14400.00	88.12	4.85	8453.00	6238.00	6051.17	-1515.26	0.00	6688551.08	2095299.87	N 38 40 13.99	W 109 54 24.86
CCU 2-1-25-18 PBH/TD	14403.96	88.12	4.85	8453.13	6241.74	6055.11	-1514.93	0.00	6688555.03	2095300.13	N 38 40 14.03	W 109 54 24.86

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	23.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE-Depth Only	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428'
	1	23.000	4987.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428'
	1	4987.000	7504.000	Act Stns	30.000	30.000	SLB_MWD-STD	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428'
	1	7504.000	12574.000	Act Stns	30.000	30.000	SLB_MWD-STD	ST1 / CCU 2-1-25-18 ST1 7504' to 12574'
	1	12574.000	14403.958	1/100.000	30.000	30.000	SLB_MWD-STD	ST1 / CCU 2-1-25-18H ST1 R3 mdv 05May14

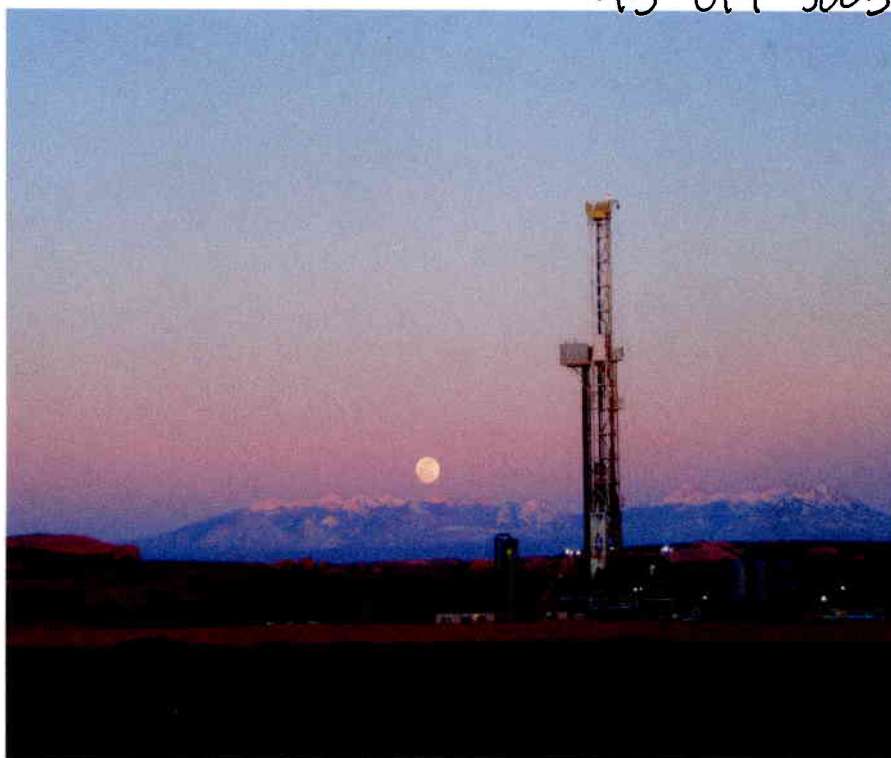
FIDELITY EXPLORATION & PRODUCTION CO.

CANE CREEK UNIT STATE # 2-1-25-18

SW/SE Section 2, T25S, R18E

GRAND COUNTY, UTAH

43 019 50036



GEOLOGY REPORT
by

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Accepted by the
Utah Division of
Oil, Gas and Mining

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MAY 19 2014
DIV. OF OIL, GAS & MINING

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE #2-1-25-18

<u>OPERATOR:</u>	FIDELITY EXPLORATION & PRODUCTION CO.
<u>ADDRESS:</u>	1801 California St., Suite 2500, Denver, CO. 80202
<u>WELL NAME:</u>	CANE CREEK UNIT STATE # 2-1-25-18
<u>API #:</u>	43-019-50036-0000
<u>SURFACE LOCATION:</u>	SW/SE SEC 2 T25S R18E 2390' FEL & 768' FSL
<u>FIELD:</u>	Hell Roaring (Cane Creek Unit)
<u>COUNTY, STATE</u>	Grand, Utah
<u>BASIN:</u>	Paradox
<u>WELL TYPE:</u>	Horizontal Pennsylvanian Cane Creek
<u>BASIS OF PROSPECT:</u>	Production from Cane Creek in near by well
<u>ELEVATION:</u>	GL: 5153' Meas. Graded KB: 5176'
<u>SPUD DATE</u>	MARCH 29, 2014
<u>TD DATE:</u>	MAY 11, 2014
<u>HORIZONTAL TARGET:</u>	CANE CREEK
<u>TOTAL DEPTH:</u>	14,410' MD
<u>TVD AT TD:</u>	8365.93'
<u>BOTTOM HOLE LOCATION:</u>	6053.09' N & 1485.01' W 774.21' FNL & 1405' FWL SEC 2, T25S, R18E

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE #2-1-25-18

<u>FINAL VERTICAL SECTION:</u>	6232.52'
<u>ENTRY CANE CREEK VS:</u>	453.9' VS on 340.617° target az.
<u>FEET DRILLED CANE CREEK TARGET:</u>	5400' 100%
<u>FEET DRILLED CC ENTRY TO TD:</u>	5900'
<u>PERCENT IN ZONE:</u>	100.00%
<u>FINAL CLOSURE AZIMUTH:</u>	346.33°
<u>PROPOSED AZIMUTH:</u>	340.617° to turn at 12,600' MD 345.94° 12,600' to 14,410' MD TD
<u>TOTAL DRILLING DAYS</u>	44
<u>STATUS OF WELL:</u>	Waiting Completion
<u>CONTRACTOR:</u>	Nabors Rig M38
<u>TOOLPUSHER:</u>	Kurt Cleaveland, Richard Balduc
<u>FIELD SUPERVISORS:</u>	Doug Long, Scott Brady, Daniel Ratliff, Rajman Williams
<u>MUD COMPANY:</u>	NOV Bariod Rio Good, D.J. Groetken, Jason Hurt
<u>MUD TYPE:</u>	AIR / AIR MIST / INVERT
<u>WELLSITE GEOLOGISTS:</u>	Sam Spencer, John Flinn
<u>PROSPECT GEOLOGIST:</u>	Dave Koval, Bob Flook, Chris Lang, Fidelity

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE #2-1-25-18

ROCK SAMPLING:

30' Lagged Samples to Cane Creek
30' Lagged Samples in Cane Creek
Two sets of dry sample cuts were collected.

DIRECTIONAL DRILLERS:

Pathfinder
Matt Geiser, Jacob Hefer, Herold Berg

MWD:

Pathfinder
Stewart Robertson, Paul Foreman, Seth Linaman

CASING:

13 3/8" J-55 54.5# @ 1,128'; 9 5/8" HCP-110 47# @ 5,050';
7" @ 14,394'

HOLE SIZE:

17 1/2" to 1,136'; 12.28" 1,136' to 5060'
8 1/2" 5,060' to 8,428' TD Pilot hole. 8 1/2" Curve 7,543' to 14,410' TD

CORES and DST's:

NONE

WIRELINE/OPEN HOLE LOGS:

Schlumberger, Evan Meadows, Rock Spring

KEY OFFSET WELLS

FIDELITY EPCO CANE CREEK UNIT 10-1
SECTION 10, T25S, R18E

FIDELITY EXPLORATION AND PRODUCTION
DISTRIBUTION
CANE CREEK UNIT STATE # 2-1-25-18

<u>DISTRIBUTION</u>	Geological Report	Final Mud Log prints	Digital mud log	Well Cuttings
Fidelity Exploration and Production Co. Drilling Manager Bruce Houtchens 1801 California St. Suite 2500, Denver CO 80202	2	2	2	0
Fidelity E&P Co. Bob Flook 1801 California St. Suite 2500 Denver, CO 80202	1	1	1	0
Dave Koval Fidelity Exploration and Production 1801 California St. Suite 2500 Denver, CO 80202	1	1	1	1
State of Utah Division Oil Gas and Mining P.O. Box 145801 1594 W. Temple Suite 1210 Salt Lake City, UT 84114-5801	1	0	1	1
Bureau of Land Management Moab Field Office 82 E. Dogwood Moab, UT 84532	1	0	0	0

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE # 2-1-25-18

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
1	29-Mar	133'	369'	1	0	Make up hammer. Test hammer. Drill f/ 103' to 502'.	Kayenta Wingate
2	30-Mar	502'	634'	1	0	Drill f/ 502' to 1,136' TOOH.	Wingate Chinle Moenkopi
3	31-Mar	1,136'	0'	1	0	Run 13 3/8" J55 casing, Set at 1,128'.	Moenkopi
4	1-Apr	1,136'	0'		0	Cement casing, WOC, Nipple up, Rig up flow line, Test BOP.	Moenkopi
5	2-Apr	1,136'	880'	2	0	Test BOP, PU/MU BHA TIH, Drill shoe track, Drill f 1,136' to 2,016'.	Moenkopi Cutler
6	3-Apr	2,016'	1,392'	2	0	Drill w/ air/mist f/ 2,016' to 3,408'.	Cutler Honaker Trail
7	4-Apr	3,408'	896'	2	0	Drill w/ air/mist f/ 3,408' to 4304' Hammer stopped working.	Honaker Trail
8	5-Apr	4,304'	210'	3	0	Circulate water. Fill pipe. TOH LD Hammer. Function test Annular preventer. PU 8 1/2" Tri-cone bit, 8" Mudmotor, shock sub, 2 8" DC's, Test Motor. TIH Drill f/ 4,304' to 4,514'.	Honaker Trail
9	6-Apr	4,514'	546'	3	0	Drill f/ 4,514' to 5,046' Circulate BU. Drill to 5,060' TD 12 1/4" hole. Circulate, Short trip to surface casing. Circulate BU. TOOH.	Honaker Trail Paradox Paradox Salt Section
10	7-Apr	5,060'	0'	3	0	TOOH. LD BHA. PJSM w/ Casers. RU Casers. Run 9 5/8" 47# HCP-110 BTC casing.	Paradox Salt Section
11	8-Apr	5,060'	0'		0	w/ cementers. RU Cementers. Test lines. Pump 250 sx cement. 50/50 fly ash. 13.5 #/gal. celoflake FL-52. WOC. Pump top job. Nipple down, Repair Annular preventer.	Paradox Salt Section
12	9-Apr	5,060'	0'		0	Repair Annular Preventer. Nipple up. Insatll rotating head. Rig up flow line. Test BOP.	Paradox Salt Section
13	10-Apr	5,060'	0'	4	0	Test BOP, Replace orbit valve. Test Orbit valve. RD testers. PJSM w/ wire line truck. Run CBL, Run Gyro. Make up bit, TIH.	Paradox Salt Section
14	11-Apr	5,060'	0'	4/5	0	FIT Held good. 18.0 MWE. TOOH LD bit. PU pilot hole BHA, TIH, Displace water in hole w/ OBM.	Paradox Salt Section
15	12-Apr	5,060'	1,263'	5	7	Displace water w/ OBM. Drill f/ 5060' to 6,323'.	Paradox Salt Section
16	13-Apr	6,323'	892'	5	28	Drill f/ 6,323' to 7,215'.	Paradox Salt Section
17	14-Apr	7,215'	1,213'	5	56	Drill f/ 7,215' to 8,428' TD Pilot Hole. Circulate, Pump LCM pill.	Paradox Salt Section Cane Creek

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE # 2-1-25-18

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
18	15-Apr	8,428'	0'	5	67	Circulate. Flow check. Wiper trip to 9 5/8" casing @ 5,050'. Slip and Cut DRLG line. TIH Circulate. TOO H. LD Directional tools. PJSM w/ Schlumberger. RU loggers. Run Tripple Combo, GR, Restivity, Nutron porosity, Denisity. PE.	Paradox Salt Section
19	16-Apr	8,428'	0'		60	Logging with Schlumberger. Run tripple combo, LD tools PU Sonic Scanner OBMI, Run OBMI, Sconic Scanner. RD Loggers. PU 2 7/8" tubing cement stinger. TIH Circulate BU. RU cemeters. Mix spacer. Pump Cement plug.	Paradox Salt Section
20	17-Apr	8,428'	-1,302'	4RR	0	Pump Cement plug, POH 7 stands Spot another 600' Cement plug. POH 7 stands, reverse circulate out cement. TOO H, LD 2 7/8" cement stinger. PU mill tooth tricone bit. TIH. Tag cement at 7126'. Circ. WOC until 04:30 Hrs. Dress cement plug.	Paradox Salt Section
21	18-Apr	7,126'	935'	4RR	20	Dress cemnet plug. Plug bad. Drill cement at 170-300 ft/hr to 8061' TOO H U 2 7/8" tubing stinger. TIH Circulate Wait on cementers.	Paradox Salt Section
22	19-Apr	8,061'	-675'	4RR	0	RU Cementers, Test lines. Pump cement plug. TOH 10 stands. Reverse circulate out. TOO H, LD 2 7/8" tubing. PU tri-cone mill tooth bit. TIH Tag cement @ 7,300'. Drill cement to 7,386' Still green and soft. WOC.	Paradox Salt Section
23	20-Apr	7,386'	178'	6	59	WOC Drill f/ 7,386' to 7,543' Cement set up. Circulater BU, TOO H, LD tri-cone bit. PU PDC bit/directional tools MWD Curve BHA. Surface test. TIH Drill f/ KOP 7,543' to 7,564'.	Paradox Salt Section
24	21-Apr	7,564'	27'	6	11	Slide f/ 7,564' to 7,591'. Work tight hole. Pump 30 bbl fresh water. Work stuck drill string.	Paradox Salt Section
25	22-Apr	7,591'	0'	6	122	Work stuck pipe. Wait on Free Point truck. PJSM w/ free point truck and fisherman. RU free point truck, Pree point below monel DC's. Shoot off at 7,406' above Monel DC's and MWD tools. TOO H. Re- torque each tool joint.	Paradox Salt Section
26	23-Apr	7,591'	0'	6 6RR	0	TOOH re-torque each tool joint. PU screw in sub, jars. TIH, screw it fish. Jar on fish 20 minutes. Fish came free. TOO H w/ fish. LD fishing tools. PU directional BHA. TIH.	Paradox Salt Section
27	24-Apr	7,591'	207'	6RR	36	TIH to 5,153' Slip and cut 55' drilling line. TIH circ BU, wash ream to bottom. Clean out MPD chokes. Wash to bottom. Drill/slide build curve f/ 7,591' to 7,798'.	Paradox Salt Section

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE # 2-1-25-18

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
28	25-Apr	7,798'	465'	6RR	63	Drill f/ 7,798' to 8,263'.	Paradox Salt Section
29	26-Apr	8,263'	403'	6RR	37	Drill f/ 8,263' to 8,666'.	Paradox Salt Section Cane
30	27-Apr	8,666'	14'	6RR	17	Drill f/ 8,666' to 8,669' work pipe, Drill f/ 8,669' to 8,680' Land Curve. Circulate BU. Displace 14.6 mud w/ 16.4 kill mud. Pump slug. TOO. LD Directional tools. PJSM w/ Testers. Test BOP.	Cane Creek
31	28-Apr	8,680'	0'	7	10	Test BOP. Make up IPZIG, Lateral BHA, TIH to 5160' Displace 16.4 kill mud w/ 14.7 mud. Strip to 7,930' Tight. Screw it and wash down.	Cane Creek
32	29-Apr	8,680'	451'	7	0	Wash down to 8,500' Log IPZIG over Cane Creek. Drilling ahead f/ 8,680' to 9,130'.	Cane Creek
33	30-Apr	9,131'	1,015'	7	115	Drill f/ 9,130' to 9,301' Rig service. Drilling f/ 9,301' to 10,146'.	Cane Creek
34	1-May	10,146'	1,087'	7	31	Drill f/ 10,146' to 11,233'.	Cane Creek
35	2-May	11,233'	523'	7	52	Drill f/ 11,233' to 11,302' Trouble shoot pumps / MWD. Pump 2 down. Drill f/ 11,302' to 11,756'. Troubleshoot MWD. TOH. Strip out of hole to 7500'.	Cane Creek
36	3-May	11,756'	0'	7/8	93	TOOH. Work BHA. LD LXM/Mudmotor/ Bit, MWD. PU new mudmotor/bit, LXM, MWD. Scribe. Surface test. TIH to 5,265'. Displace 16.0 kill mud w/ 14.4 mud. TIH Wash to bottom.	Cane Creek
37	4-May	11,756'	726'	8	89	Wash to bottom Drilling ahead f/ 11,756' to 12,482'.	Cane Creek
38	5-May	12,482'	265'	8	38	Drill f/ 12,482' to 12,747'.	Cane Creek
39	6-May	12,747'	231'	8	29	Drill f/ 12,747' to 12,978'.	Cane Creek
40	7-May	12,978'	230'	8	37	Drill f/ 12,978' to 13,116' rig service, replace rotating head. Drill f. 13,116' to 13,208'.	Cane Creek
41	8-May	13,208'	413'	8	12	Drill f/ 13,208' to 13,621'	Cane Creek
42	9-May	13,621'	404'	8	27	Drill f/ 13,621' to 14,025'	Cane Creek
43	10-May	14,025'	385'	8	29	Drill f/ 14,025' to 14,410' TD well. Circulate Start short trip	Cane Creek
44	11-May	14,410'	0'	8	9	Short trip to top of curve at 7,543'. TIH Circulate 2x BU. TOO. laying down 4 1/2" drillpipe.	Cane Creek
45	12-May	14,410'	0'	8	9	Lay down 4 1/2" DP. LD BHA, directional tools. PJSM w/ casers. RU casers. Run 7" HCP-110 BTC casing.	Cane Creek
46	13-May	14,410'	0'		0	Run 7" HCP-110 BTC to 14,394'. PJSM w/cementers, RU cementers. Pump 665 sx, 149 bbl lead & 795 sx, 178 bbl tail, 327 total bbl clacc G cement. Pump plug. Geologists released @ 05:00 hrs 5-14-14	Cane Creek

GEOLOGICAL INTRODUCTION

The Fidelity Exploration & Production Co. Cane Creek Unit # 2-1-25-18, located in SW SE, Section 2, T25S, R18E spud in the Jurassic, Navajo Formation on March 29, 2014. It was drilled to a total depth of 8,428' (driller) 8,423' (electric log) bottoming in Salt #24 member of the Pennsylvanian, Paradox Formation on April 15, 2014. After running electric logs, this vertical pilot hole was plugged back with cement in order to kick off and drill a horizontal lateral in the Cane Creek Shale.

The horizontal lateral was drilled from a kick off point at 7,543' and landed in the Cane Creek Shale near the top of the B zone dolomite at 8,680' md, 8,217.27' tvd. At this point, the curve BHA was tripped out of the hole and was replaced with a lateral BHA containing an LPZIG tool in order to obtain gamma data at the bit. The horizontal lateral was then drilled, following the flat to gently northeast dipping B zone target dolomite to a total depth of 14,404'.

A 24 hour, two man geologist well site service began on April 2, 2014 at 1472'. An MSI chromatograph was used to record total gas along with the various gas components of C-1 through C-4. The total gas readings were displayed on the rig electronic data recorder screen "Pason" for viewing by operating personnel at the rig. The total gas and the various gas components recorded were plotted at lagged depth to compile a permanent mudlog record of drilling parameters, lithology drilled along with hydro carbon shows.

VERTICAL PILOT HOLE

LITHOLOGY DRILLED TRIASSIC, PERMIAN

The well spudded in the Jurassic, Navajo Formation and was drilled with air & water to 1,136' in the Triassic Moenkopi Formation where surface casing was set and cemented. Geologic service started at this depth. As drilling resumed, air & water continued to be used as a drilling medium. Samples were caught as air/water carrying cuttings, discharged from the blowline muffler and into a reserve pit. As air/water was employed as a drilling medium, the flow was not always consistent and some surging or unloading was present at various times. As a result, the basic lithology can be interpreted but detailed changes in lithology are highly generalized. From 1,472' to 1,660' the lithology consisted of fine to coarse grained red-brown to red-orange sandstone and red-brown shaley siltstone.

The Permian, White Rim Sandstone was present from 1,660' to 1,670' based on a change in lithology to white, fine to medium grained, well sorted, slightly calcareous sandstone. The sandstone was weakly cemented and abundant loose, clear to frosted quartz grains were present.

Thick, massive, red-orange to dark red-brown, fine to coarse grained, micaceous, arkosic sandstone and interbeds of red-brown, gray-red clay shale and siltstone comprise the upper part of the Permian, Cutler Formation which was encountered at 1,670'. This lithology persisted to approximately 1860' where the sandstone gives way to siltstone. The siltstone was red-brown and generally consisted of mushy, silty, micaceous, sandy mud. The hammer bit being used tended to reduce the shale to powder and that mixed with the water and air destroys the original silty texture.

At 2,458' to 2,600' Limestone, medium to dark gray-brown, very fine to fine crystalline, with crinoids fossils was drilled. This appears to be equivalent to part of the Elephant Canyon member.

The interval from 2,600' to the Honaker Trail Formation at 3,026' consisted of massive quartz sandstone rusty-red brown to gray-brown in color, very fine to coarse grained, with mica and feldspar. The lower two hundred feet slowly changed color from rusty red to become increasingly gray in color.

PENNSYLVANIAN

Honaker Trail Formation

At 3,026' the Honaker Trail Formation was marked by a change in lithology to light to medium gray, to gray-brown, dense, micro-crystalline limestone and white to brown-gray, fine to coarse grained, calcareous sandstone. The percentage of limestone slowly increased with depth to 50 % or more until some intervals contained 100% limestone. The limestone was generally white, light gray-cream to brown-gray in color, micro-crystalline, dense, hard, tight and sometimes contained indistinct traces of oolites and fossil crinoids.

At 4304' the air hammer bit torqued up, stopped drilling, and was tripped out of the hole to be replaced by a tri-cone bit. Drilling proceeded using aerated water as a drilling fluid.

Paradox Formation

The top of the Paradox formation was picked at 4,600'. Lithology consisted of limestone, light gray to tan, brown in color, very fine to micro crystalline with rare traces of oolites and fossil debris. Some thin interbeds of dark gray, black shale and argillaceous limestone were noted in the upper part..

The Ismay formation top was picked from drill time and gamma ray at 4,808'. The Ismay consisted of limestone, white-light gray to dark gray-brown in color, very fine to fine crystalline, with loose detrital carbonate grains. Twenty five per cent of the sample was black, very fine to micro crystalline, shaly limestone.

Salt #1 was encountered at 4,848'. Due to drilling with aerated water, no salt was initially seen in samples as it dissolved before reaching the surface. By using a tri-cone bit, the top of the salt can be determined from the increase in drill rate, which is consistent and fast at close to 160 feet per hour.

The top of Clastic #1 was drilled at 4,956' and the base at 5,013' based on drill time. Lithology consisted of interbedded limestone, black shale and anhydrite. No gas increases were recorded until 29 units of methane we recorded after a wiper trip.

Salt #2 at 5,013' was drilled to 5,056'. Intermediate 9 5/8" casing was then run to 5,050', set and cemented. An 8 1/2" bit was run in the hole and cement, float and casing shoe was drilled along with an additional 10 feet of cement and formation where a successful formation integrity test was run to 18 ppg EMW. The mud system was then converted to oil base invert and drilling of the pilot hole continued with a PDC bit and directional BHA.

With the change to oil base mud, meaningful gas detection became possible because of the absence of air diluting the drilling fluid. While drilling ahead to the Cane Creek Shale objective, gas increases of significance were recorded from the various clastic zones that are sandwiched between bedded salt as follows:.

Clastic # 2: Gas increased to 268 units at 5,206' to 5,234', from black, organic, carbonaceous, shale. The chromatograph indicated the gas was predominate methane. Mud wt. was 14.5 ppg.

Clastic # 8 Dolomite and black shale gave a gas increase to 83 units from 6,388' to 6,402'. Methane was present and mud weight was 14.3 ppg.

Clastic # 9: A gas increase to 107 units from black shale and dolomite, was recorded from 6,620' to 6,635'. Again methane was present and mud weight was 14.3 ppg.

Clastic #11: A gas increase to 132 units was recorded from 6955' to 6965'. The lithology consisted of black shale and dolomite. Methane, ethane and propane gases were present. Mud weight was 14.3 ppg.

Clastic #18-19: At 7,908' to 7,929 a gas increase was recorded of 96 units from thin black, organic shale. Again methane and ethane gases were indicated as being present by the chromatograph.

CANE CREEK SHALE 8213' sample

The Cane Creek Shale is divided into three zones termed A, B and C. The A zone comprises the upper one third of the Cane Creek Shale and is composed of alternating thin beds of anhydrite, black shale and dolomite. Anhydrite tends to predominate towards the top of this interval.

The B zone is composed of black, radioactive, carbonaceous, shale and light to medium gray, dolomite. This is the predominate lithology in the middle one third of the Cane Creek and is the principal productive interval in the Cane Creek.

The C zone comprises the lower one third of the Cane Creek and is generally dominated by anhydrite and dolomite with some thin organic black shales.

While drilling through the Cane Creek, back ground gas varied from 45 to 109 units. Gas increases to 109 units were identified as generally coming from black organic shales

The base of the Cane Creek Shale / top Salt #22 was 8,306' based on samples and drill time.

The well reached 8,428' in Salt #24, where total depth was called for the vertical pilot hole. Electric logs were run before plugging back to drill a horizontal lateral.

HORIZONTAL LATERAL 2-1-25-18

The horizontal lateral was directionally drilled from a kick off point of 7,543' and landed in the Cane Creek Shale, B target zone at a hole inclination of 85 degrees at 8,680' md. After tripping out to pick up a lateral BHA, drilling continued forward with the well path following the gently dipping B zone target dolomite. At 12,600' the well path was turned from a target azimuth of 340.617° to 345.95°. This was to explore a structure seen on seismic east of the original well path.

From 8,510' to 8,910' background gas increased from 5-100 units with numerous sharp to broad increases to 130-185 to 715 units. These appear to be associated with organic rich black shale in the A section of the Cane Creek. Methane through propane gases were present. Mud weight was 14.6 ppg, ECD 15.25.

At 9,110' to 9,840', the gas increased to as high as 1161 units. For this interval the well was drilling in the B Hot Shale. The higher gas was liberated gas due to higher ROP's in the B Hot Shale. Mud weight was 14.4 ppg.

From 9,840' to 11,400' gas stabilized at 30 units with several broad slight increases to 198 units. Mud wt was 14.2, ECD 15.05. At 11,522' a fracture near the top of the B HOT Shale took 25 bbl's of drilling fluid quickly. LCM pills were pumped, the loss zone was healed up. Drilling continued from 11,522' to 11,680' as several broad gas increases to 298 units were recorded. From 11,680' to 12,300' the gas recordings were low at 30 units. From 12,300' to 12,600' broad gas increases to 371 units were seen. This was due to the black shale being drilled 8-10' tvd below the B Hot Shale. At 12,600' the well was turned northward to intersect a seismic structure. From 12,600' to 13,570' the gas remained low at 30 units. There were no motor stalls or excessive torque seen. From 13,570' the B Hot Shale was drilled and the gas increased to as high as 990 units at 14,395'. Drilling continued to a total depth of 14,410' in the B Hot Shale

This lateral stayed in the B Zone target dolomite section of the Cane Creek Shale from 8,510' to total depth of 14,410'. Structure was a gentle northwest dip throughout the lateral and the seismic data was excellent. There were few fractures encountered, as indicated by drilling fluid losses at 11,522'. 7" production casing was run. The production information gained from this well will be valuable for future exploration planning in this area.

Sam Spencer, Geologist

Spencer Consulting LLC

254 Elmwood Dr,

Colorado Springs, CO 80907

Spencer_sam@comcast.net

719-598-3138 office/home

719-258-7712 cell

BIT RECORD
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK STATE # 2-1-25-18

OPERATOR: FIDELITY EXPLORATION
& PRODUCTION CO.

CONTRACTOR: Nabors Rig M38

SPUD DATE March 29, 2014

WELL NAME: CANE CREEK UNIT STATE
2-1-25-18

RIG MAKE: Loadmaster 142' 550K
1500 HP

LOCATION: Sec 2, T25S, R18E
2390' FEL & 768' FSL

PUMPS: 2 H&H 1600 12"

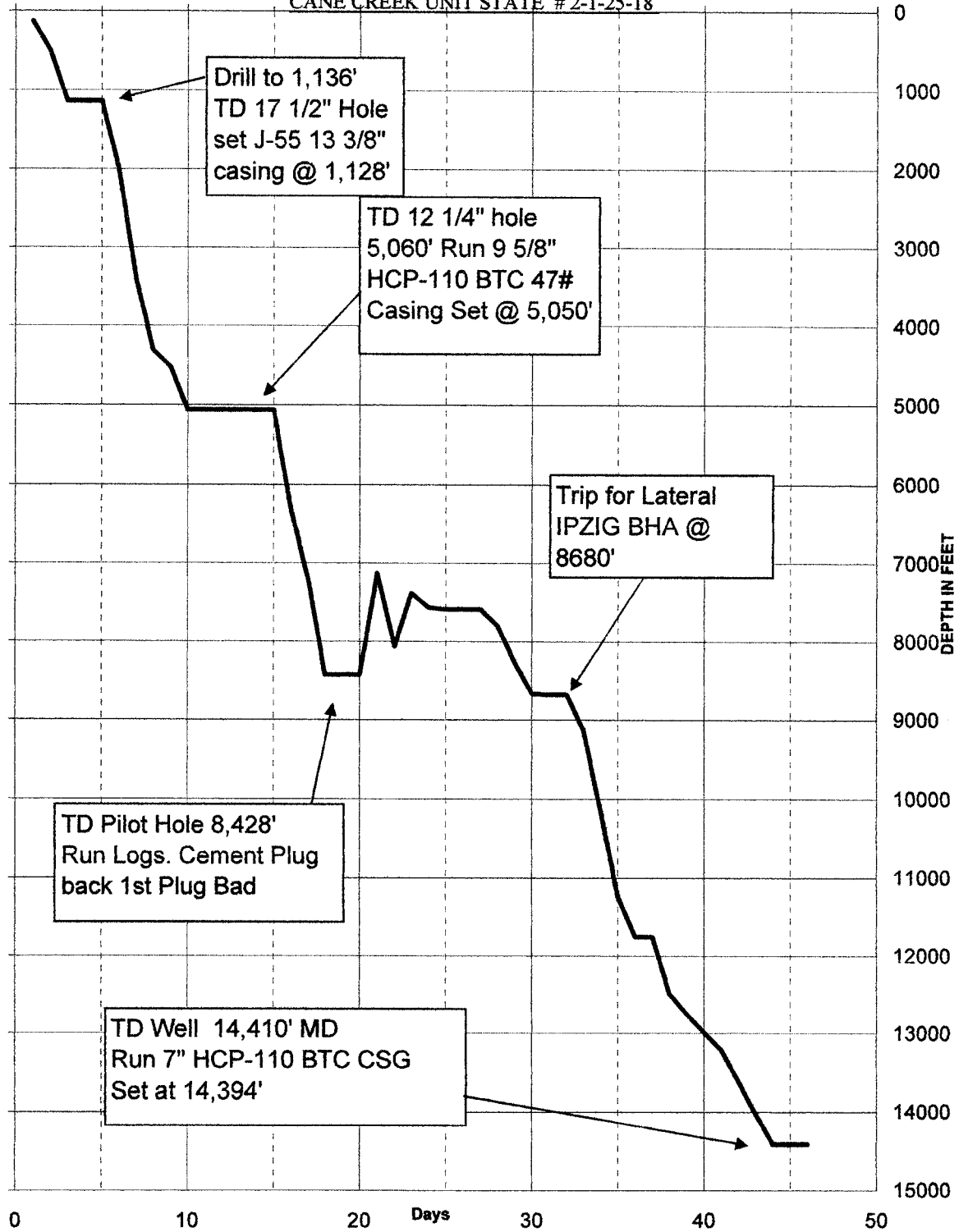
TD DEPTH/ DATE: 14410' May 11, 2014

GROUND
LEVEL: 5,153' (meas. Graded)

KELLY
BUSHING: 5,176' (meas. Graded)

Bit #	Size	Make	Type	Jets	Serial #	Depth In	Depth Out	Ftg	Hours	Ft/Hr	Vert. Dev.
1	17 1/2	NUMA	P125 Challenger	1.125"	206056	103'	1,136'	1,033'	13.0	79.5	0.5
2	12.28"	NUMA	P125 Patriot	1.125"	211775	1,136'	4,304'	3,168'	42.9	73.8	0.5
3	12 1/4"	Rocky Mt	CD537G	3x20	700812	4,304'	5,060'	756'	16.8	45.0	0.2 - 2
4	8 1/2"	STC	XR+	3x22	RA5961	5,060'	5,060'	0'	0.0	na	na
5	8 1/2"	STC	Mi616MSPX	6x20	JG0616	5,060'	8,428'	3,368'	49.0	68.7	1-3
4RR	8 1/2"	STC	XR+	3x22	RA5961	7,126'	8,061'	935'	5.4	173.1	Dress cement plug
4RR	8 1/2"	STC	XR+	3x22	RA5961	7,300'	7,543'	243'	3.5	69.4	Dress cement plug
6	8 1/2"	STC	MDi611MPX	6x20	JH3469	7,543'	7,591'	48'	5.0	9.6	Curve
6RR	8 1/2"	STC	MDi611MPX	6x20	JH3469	7,591'	8,680'	1,089'	36.0	30.3	Curve
7	8 1/2"	STC	MDi611	6x22	JH3468	8,680'	11,756'	3,076'	68.4	45.0	Lateral
8	8 1/2"	STC	MDi611	6x22	JH3468	11,756'	14,410'	2,654'	126.0	21.1	Lateral

TIME VS DEPTH
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE # 2-1-25-18

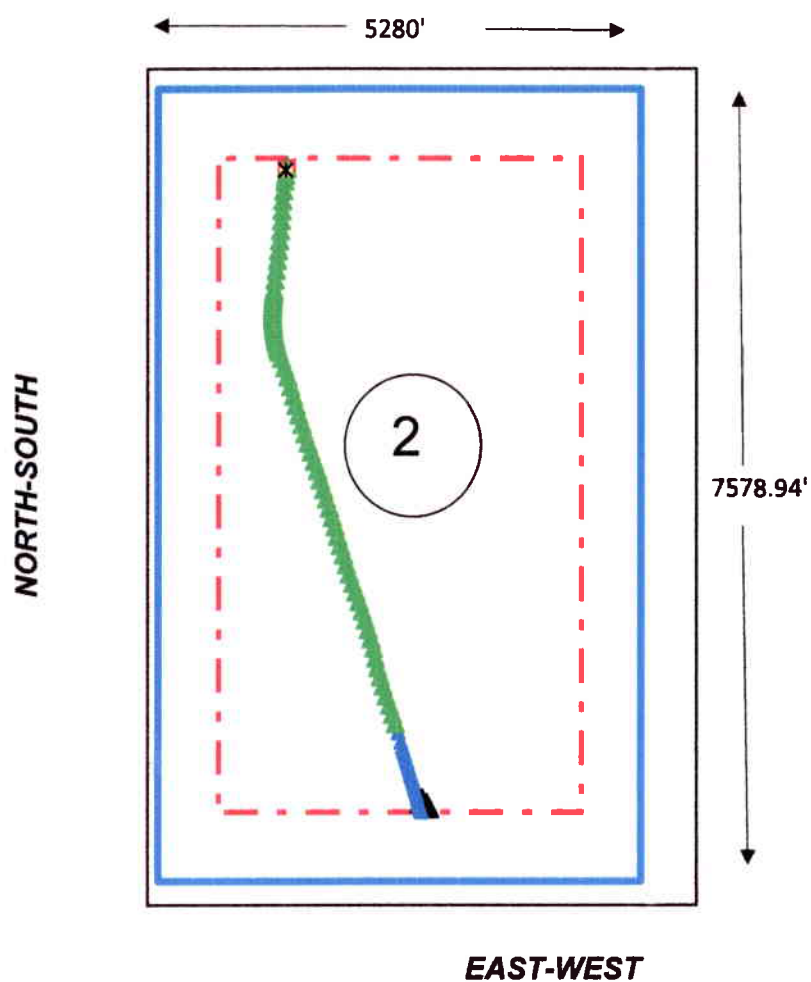


FIDELITY EXPLORATION AND PRODUCTION
INVERT MUD REPORTS
CANE CREEK UNIT STATE# 2-1-25-18

DATE 2014	DEPTH	Flow Line Temp	WT	FV	PV	YP	GELS	API FILT	OIL/WATER	ELECTRIC STABILITY	CORRECTED SOLIDS	NaCl % wt	CaCl2 % wt	MgCl2 % wt	24 HOUR MUD LOSSES
12-Apr	5256	90	14.30	57	25	15	12/15	2	83.3/16.7	697	25.90	3.50	30.3	1.60	7
13-Apr	6516	116	14.30	50	25	15	12/15	2	83.3/16.7	768	25.70	4.50	28.1	3.20	28
14-Apr	6989	110	14.30	53	24	16	11/14	2	83.3/16.7	750	25.70	4.50	28.10	3.20	56
15-Apr	8428	113	14.80	56	26	17	12/16	2	85.6/14.4	772	27.90	4.00	29.2	7.00	67
16-Apr	8428	na	14.90	62	28	18	12/17	2	85.4/14.5	814	28.70	4.00	29.1	8.30	60
17-Apr	7126	80	14.70	68	28	17	12/17	2	85.8/14.2	715	28.00	1.30	23	7.30	0
18-Apr	7941	113	14.65	58	30	20	15/20	2	80/20	513	27.30	5.80	20.6	4.50	20
19-Apr	8061	na	14.50	58	28	14	11/15	2	80.3/19.7	512	26.60	8.60	23.2	4.90	0
20-Apr	7543	109	14.55	58	30	15	13/18	2	80.3/19.7	512	26.70	9.30	19.8	2.40	59
21-Apr	7591	116	14.60	56	30	15	13/19	2	80.3/19.7	589	29.00	15.60	27.9	2.10	11
22-Apr	7591	100	14.70	58	30	17	13/19	2	80.4/19.6	620	27.50	8.10	21.6	5.50	122
23-Apr	7591	73	14.65	59	35	16	12/20	2	80.3/19.7	620	27.60	9.90	12.30	0.50	0
24-Apr	7591	90	14.70	71	33	15	12/18	2	80.3/19.7	620	28.10	5.60	12.9	0.00	36
25-Apr	7956	117	14.60	53	32	14	10/18	2	80.3/19.7	660	28.10	7.90	9.2	0.00	63
26-Apr	8504	118	14.60	54	28	13	11/18	2	83.0/17.0	700	29.50	11.90	12.9	1.80	37
27-Apr	8680	115	14.65	53	32	12	9/17	2	82.9/17.1	720	30.00	12.70	5.60	1.9	17
28-Apr	8680	75	14.50	60	24	12	9/16	2	84.6/15.4	777	31.00	7.70	11.9	1.40	10
29-Apr	8723	94	14.80	55	31	13	11/13	2	83.0/17.0	758	29.50	0.10	20.5	1.18	0
30-Apr	9639	110	14.40	56	28	12	9/17	2	85.5/14.5	754	27.50	10.00	18.7	0.70	115
1-May	10415	119	14.40	48	29	12	10/18	2	84.5/15.5	800	29.00	3.80	27	5.40	31
2-May	11371	120	14.40	50	26	12	13/21	2	86.7/13.3	765	28.50	3.20	31	2.60	52
3-May	11756	78	14.50	50	27	12	12/20	2	86.7/13.3	850	28.50	3.20	31	2.60	93
4-May	12084	105	14.40	50	26	12	14/22	2	86.8/13.2	800	28.00	6.80	23.7	1.70	89
5-May	12484	118	14.30	52	26	14	16/27	2	86.2/13.8	800	27.50	4.70	26.6	0.70	38
6-May	12825	122	14.35	52	25	15	15/22	2	86.0/14.0	850	28.50	3.80	29.7	3.20	29
7-May	13066	115	14.30	53	25	12	14/23	2	87.5/12.5	863	28.00	3.70	29.9	2.10	37
8-May	13308	119	14.35	52	25	12	14/23	2	87.5/12.5	861	28.00	3.40	30.5	2.80	12
9-May	13748	120	14.40	52	25	14	14/24	2	88.0/12.0	922	29.00	0.50	40.3	4.70	27
10-May	14148	121	14.35	52	26	12	15/25	2	88.7/11.3	969	29.00	0.40	41.70	4.80	29
11-May	14410	na	14.50	72	25	13	14/25	2	87.9/12.1	950	27.00	0.50	41.10	5.20	9
12-May	14410	na	14.90	71	27	13	14/23	2	87.1/12.9	891	28.40	0.50	37.90	5.20	0

FORMATION / SALT TOPS
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT STATE # 2-1-25-18

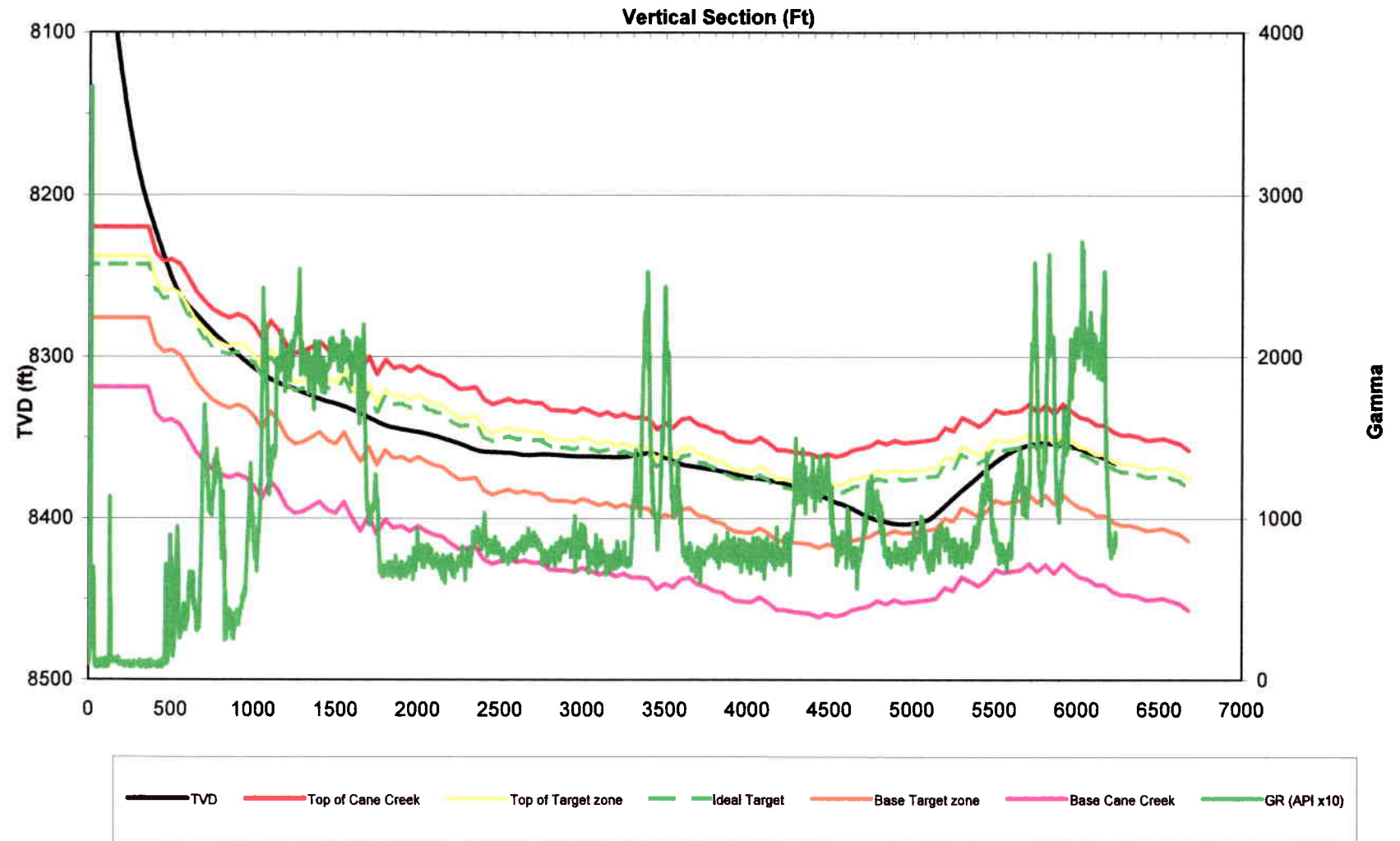
KB 5175'									
Formation	prog top	Sample top	Sub Sea	E-log top	E-log Sub Sea	Curve MD	Curve TVD	Pilot-curve TVD	
Keyenta	364'								
Wingate SS	508'								
Chinle	811'								
Moenkopi	1,049'								
Cutter	1,613'	1,613'	3,563'						
Honaker Trail	3,029'	3,030'	2,146'						
Paradox	4,575'	4,800'	578'	4,603'	573'				
Ismay		4,808'	368'	4,805'	371'				
Salt 1	4,820'	4,848'	328'	4,842'	334'				
Clastic 1	5,070'	4,957'	219'	4,882'	284'				
Salt 2	5,152'	5,013'	183'	5,021'	155'				
Intermediate Casing P	5,172'	5,050'	126'	5,047'	129'				
Clastic 2	5,225'	5,182'	-6'	5,168'	8'				
Salt 3	5,295'	5,249'	-73'	5,243'	-67'				
Clastic 3	5,367'	5,375'	-199'	5,378'	-202'				
Salt 4	5,410'	5,449'	-273'	5,421'	-245'				
Clastic 4	5,539'	5,575'	-399'	5,572'	-396'				
Salt 5	5,610'	5,645'	-469'	5,636'	-480'				
Clastic 5	5,920'	5,927'	-751'	5,924'	-748'				
Salt 6	5,949'	5,963'	-787'	5,958'	-782'				
Clastic 6		6,067'	-891'	6,066'	-890'				
Salt 7		6,081'	-905'	6,078'	-900'				
Clastic 7	6,074'	6,132'	-956'	6,132'	-956'				
Salt 8	6,118'	6,201'	-1,026'	6,198'	-1,022'				
Clastic 8	6,280'	6,301'	-1,185'	6,358'	-1,182'				
Salt 9	6,304'	6,428'	-1,252'	6,429'	-1,253'				
Clastic 9	6,469'	6,608'	-1,432'	6,605'	-1,429'				
Salt 10	6,510'	6,652'	-1,476'	6,647'	-1,471'				
Clastic 10	6,585'	6,685'	-1,509'	6,683'	-1,507'				
Salt 11		6,794'	-1,618'	6,754'	-1,578'				
Clastic 11		6,940'	-1,764'	6,937'	-1,761'				
Salt 12	6,727'	6,977'	-1,801'	6,958'	-1,782'				
Clastic 12	6,857'	7,062'	-1,886'	7,053'	-1,877'				
Salt 13	6,877'	7,071'	-1,895'	7,068'	-1,892'				
Clastic 13		7,117'	-1,941'	7,116'	-1,940'				
Salt 14		7,142'	-1,968'	7,138'	-1,962'				
Clastic 14	7,047'	7,291'	-2,115'	7,286'	-2,110'				
Salt 15		7,310'	-2,134'	7,306'	-2,130'				
Clastic 15		7,352'	-2,178'	7,342'	-2,168'				
Salt 16		7,359'	-2,183'	7,350'	-2,174'				
Clastic 16		7,416'	-2,240'	7,404'	-2,228'				
Salt 17		7,419'	-2,243'	7,409'	-2,233'	7,543' KOP			
Clastic 17		7,750'	-2,574'	7,747'	-2,571'	7,773'	7,767'	-20'	
Salt 18		7,781'	-2,605'	7,776'	-2,600'	7,803'	7,796'	-19'	
Clastic 18 / 19	7,808'	7,898'	-2,722'	7,896'	-2,720'	7,921'	7,902'	-6'	
Salt 20	7,878'	7,970'	-2,794'	7,950'	-2,774'	7,985'	7,957'	-7'	
Clastic 20	7,967'	8,058'	-2,882'	8,054'	-2,878'	8,122'	8,062'	-8'	
Salt 21	8,004'	8,070'	-2,894'	8,072'	-2,896'	8,143'	8,077'	-5'	
Cane Creek top	8,288'	8,213'	-3,037'	8,210'	-3,034'	8,510'	8,240'	-30'	
Cane Creek Shale B	8,312'	8,246'	-3,070'	8,243'	-3,067'				
Horizontal Target	8,322'	8,257'	-3,081'	8,253'	-3,077'				
Base Cane Creek B		8,277'	-3,101'	8,273'	-3,097'				
Base Cane Creek	8,380'	8,306'	-3,130'	8,300'	-3,124'				
Salt 22		8,306'	-3,130'	8,300'	-3,124'				
Clastic 22		8,330'	-3,154'	8,326'	-3,150'				
Salt 23	8,421'	8,349'	-3,173'	8,346'	-3,170'				
Clastic 23		8,379'	-3,203'						
Salt 24		8,389'	-3,213'						
TD Pilot Hole	8,480'	8,428'	-3,252'	8,424'	-3,248'				



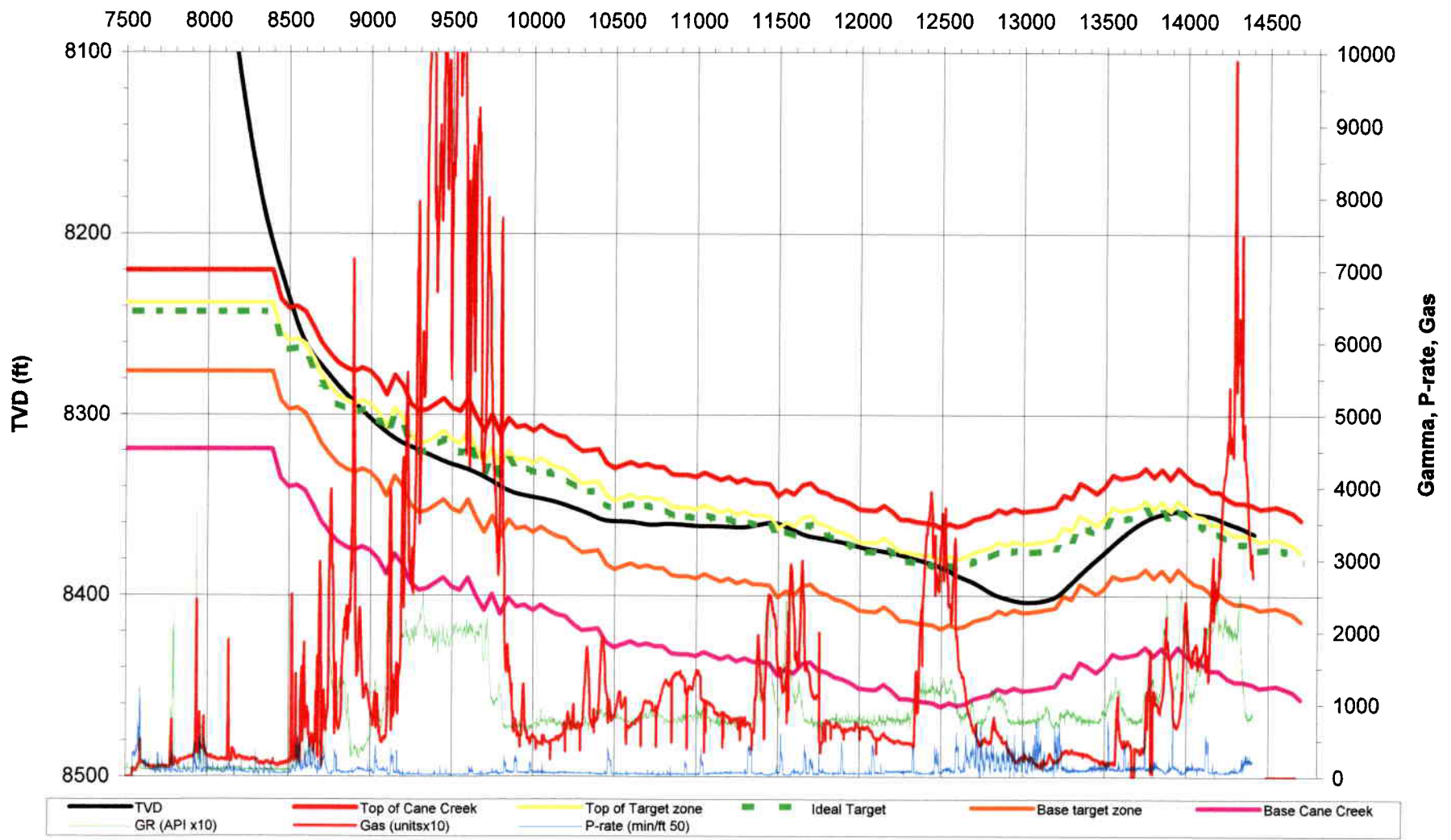
FIDELITY E&P CO.
 CANE CREEK UNIT # 2-1-25-18
 SEC 2, T25S R18E
 GRAND COUNTY,
 UTAH

▲	SHL
■	BHL
▲	Build
▲	Lateral In Zone
X	7" Casing
—	Section Lines
▲	Lateral out of Zone
- - -	Hard Line 66ft

Cane Creek Unit 2-1-25-18H Gamma vs. Vertical Section



Fidelity Cane Creek Unit 2-1-25-18H TVD vs. GR, ROP, Gas
Measured Depth (ft)



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
9. FIELD and POOL or WILDCAT: CANE CREEK		COUNTY: GRAND
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Fidelity E&P requests permission to temporarily abandoned the referenced well in preporation for a sidetrack using the following procedure: 1.MIRU WOR – pull 2 7/8” Tbg and spool cap string out of hole 2.TIH and retrieve Pkr & tail pipe assembly 3.TIH & recover TCP gun assembly 4.TIH - Set 7” CIBP @ 8000’ place 100’ cement on top of CIBP 5.TOOH & lay down tbg & install dry hole tree 6.RDMO WOR 7.Prepare for drilling rig to move in and start side track procedure 8.Drilling PDA will have placement depth of whip stock plug for side track.

Approved by the

October 23, 2014

Oil, Gas and Mining

Date: _____

By: *D. K. Duff*

NAME (PLEASE PRINT) Sandi Stocker	PHONE NUMBER 720 931-9637	TITLE Engineering Tech
SIGNATURE N/A	DATE 9/25/2014	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LAYS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT or CA AGREEMENT NAME Cane Creek
2. NAME OF OPERATOR: Fidelity Exploration & Prod Co		8. WELL NAME and NUMBER: Cane Creek Unit 2-1-25-18
3. ADDRESS OF OPERATOR: 1801 California St. 2500 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4301950036
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 769 FSL 2390 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: Not producing AT TOTAL DEPTH: 680 FNL 742 FWL		10. FIELD AND POOL, OR WILDCAT Cane Creek
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 2 25S 18E S
		12. COUNTY Grand
		13. STATE UTAH

14. DATE SPUDDED: 1/20/2014	15. DATE T.D. REACHED: 5/18/2014	16. DATE COMPLETED: 9/5/2014	ABANDONED <input checked="" type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5153 GL
18. TOTAL DEPTH: MD 14,410 TVD 8,366	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	20 J55	133	30	133		16yds		0	
17.5	13 3/8 J55	54.5	28	1,128		855	281	0	
12.25	9 5/8 P110	47.0	257	5,050		G 1,450	529	0	
8.5	7 HCP	29	265	4,878					
8.5	7 HCP	32	4,878	8,878					
8.5	7 HCP	29	8,878	14,394		1,400	328	3065	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Cane Creek	8,740	14,320			8,740 8,960	.35	1,100	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					9,000 10,600	.35	5,300	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					10,100 11,220	.35	5,600	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					11,260 12,260	.35	5,000	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☐ NO ☒ IF YES -- DATE FRACTURED: _____

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

TA

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Cane Creek	8,510	14,410		Kaventa Wingate Chinle Moenkopi Cutter Honaker Trail	364 508 811 1,409 1,613 3,029

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Sandi StockerTITLE Engineering TechSIGNATURE *Sandi Stocker*DATE 10/16/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Completion Report (continued)

No. 27 - Perforation Record

	Interval		Size	No. Holes	Perforation Status
	Top MD	Bottom MD			
Continued	12300	13600	0.35	6500	Open
	13640	14320	0.35	3400	Open

Jeff Milburn
1285 Derrick Dr.
Casper, WY 82604
Tel. (307) 265-3145
Fax (307) 265-3150



Fidelity Exploration
Cane Creek 2-1-25-18H
Grand County, UT

Prepared by: Jeff Milburn



A Schlumberger Company

1285 Derrick Dr.

Casper, WY 82604

(307) 265-3145

Directional Survey Certification Form

<u>Fidelity Exploration</u> Company	<u>Cane Creek 2-1-25-18H</u> Well Name	<u>May 10, 2014</u> Final Report Date
<u>14FMG0010</u> Job Number	<u>Grand County, UT</u> County, State	<u>43-019-50036</u> API Number
<u>N 38° 39' 14.18"</u> Surface Latitude	<u>W 109° 54' 5.76"</u> Surface Longitude	<u>Sec. 002-T025S-R18E</u> Sec. - TWP - Range
<u>NAD 83</u> Geodetic Datum	<u>NABORS M38</u> Rig Contractor / Name	<u>23'</u> RKB Height

Type of Surveys

Measurements While Drilling (MWD)

Survey Depths (Measured Depth)

4987'

to

8428'

Survey Dates

04/11/14

to

04/16/14

Persons Performing Surveys

Paul Foreman**Stewart Robertson**

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Pathfinder Energy Services.

I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using the minimum curvature method.

Jeff Milburn
Engineer In Charge

May 10, 2014

Date

PathFinder – a Schlumberger company

BHL Report

Page 01/01

Tie-in Date: 04/11/2014

Date Completed: 04/16/2014

FIDELITY EXPLORATION & PRODUCTION

CCU 2-1-25-18H

GRAND COUNTY, UT

API#: 43-019-50036 Rig: NABORS M38

PathFinder Office Supervisor: DAN HARWELL

PathFinder Field Engineers: STEWART ROBERTSON
PAUL FOREMAN

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 38.39.14.1768 N LON: 109.54.5.7564 W

GRID Reference: NAD83 utah central Lambert

Ref GRID Coord: X: 2096923.1930 Y: 6682527.3099

North Aligned To: TRUE NORTH

Total Magnetic Correction: 10.69° EAST TO TRUE

Vertical Section Plane: 340.62

Survey Vert. Reference: 23.00' Rotary Table To Ground

Altitude: 5177.00' Ground To MSL

Measured Depth	8428.00	(feet)
Inclination	3.43	(deg)
Azimuth	191.03	(deg)
True Vertical Depth	8425.24	(feet)
Vertical Section	-133.59	(feet)
Survey X cord	2096909.52	(feet)
Survey Y cord	6682380.89	(feet)
Survey Lat	38.65353674 N	(deg)
Survey Lon	109.90165604 W	(deg)
Rectangular Corr. N/S	146.42 S	(feet)
Rectangular Corr. E/W	13.68 W	(feet)
Closure Distance	147.06	(feet)
Direction of Closure	185.34	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder – a Schlumberger company

Survey Report

FIDELITY EXPLORATION & PRODUCTION

CCU 2-1-25-18H

GRAND COUNTY, UT

API#: 43-019-50036 Rig: NABORS M38

PathFinder Office Supervisor: DAN HARWELL

PathFinder Field Engineers: STEWART ROBERTSON

PAUL FOREMAN

Survey Horiz. Reference:WELLHEAD

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North Aligned To:TRUE NORTH

Total Magnetic Correction:10.69° EAST TO TRUE

Vertical Section Plane: 340.62

Survey Vert. Reference: 23.00' Rotary Table To Ground

Altitude:5177.00' Ground To MSL

Survey Calculations by RX5 V6.05A using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIED INTO GYRODATA GYRO SURVEY AT 4987'MD.												
4987.00	2.02	139.86	4986.88	87.00	-23.86	25.07 S	0.64 E	38.65386915 N	109.90159833 W	25.08@	178.54	1.35
THE FOLLOWING SURVEYS ARE PATHFINDER MWD SURVEYS.												
5110.00	1.76	140.35	5109.81	123.00	-27.66	28.18 S	3.24 E	38.65386048 N	109.90158941 W	28.37@	173.44	0.21
5206.00	1.41	146.55	5205.78	96.00	-30.19	30.30 S	4.83 E	38.65385458 N	109.90158397 W	30.69@	170.94	0.41
5302.00	1.76	148.52	5301.74	96.00	-32.78	32.54 S	6.26 E	38.65384836 N	109.90157914 W	33.14@	169.12	0.37
5398.00	1.41	146.31	5397.70	96.00	-35.36	34.78 S	7.68 E	38.65384214 N	109.90157429 W	35.62@	167.55	0.37
5494.00	1.23	159.05	5493.68	96.00	-37.54	36.73 S	8.70 E	38.65383675 N	109.90157083 W	37.75@	166.67	0.36
5590.00	1.23	153.49	5589.66	96.00	-39.59	38.61 S	9.53 E	38.65383154 N	109.90156805 W	39.77@	166.13	0.12
5686.00	1.49	160.04	5685.63	96.00	-41.86	40.71 S	10.42 E	38.65382574 N	109.90156508 W	42.02@	165.65	0.31
5782.00	1.41	175.49	5781.60	96.00	-44.25	43.06 S	10.94 E	38.65381926 N	109.90156341 W	44.43@	165.75	0.41
5878.00	1.58	180.27	5877.56	96.00	-46.64	45.56 S	11.02 E	38.65381240 N	109.90156326 W	46.88@	166.40	0.22
5974.00	1.85	183.03	5973.52	96.00	-49.32	48.43 S	10.94 E	38.65380452 N	109.90156375 W	49.65@	167.28	0.29
6070.00	2.11	188.33	6069.46	96.00	-52.31	51.73 S	10.60 E	38.65379549 N	109.90156514 W	52.80@	168.42	0.33
6166.00	2.37	189.88	6165.39	96.00	-55.61	55.43 S	10.00 E	38.65378535 N	109.90156746 W	56.33@	169.77	0.28
6262.00	2.73	194.05	6261.30	96.00	-59.25	59.61 S	9.11 E	38.65377394 N	109.90157085 W	60.30@	171.31	0.42
6357.00	1.67	186.98	6356.22	95.00	-62.38	63.17 S	8.39 E	38.65376418 N	109.90157359 W	63.73@	172.44	1.15
6453.00	1.85	184.34	6452.18	96.00	-65.05	66.11 S	8.10 E	38.65375614 N	109.90157478 W	66.60@	173.01	0.21
6549.00	2.11	191.59	6548.12	96.00	-67.98	69.38 S	7.63 E	38.65374717 N	109.90157664 W	69.80@	173.73	0.38
6644.00	2.55	192.60	6643.04	95.00	-71.28	73.16 S	6.82 E	38.65373684 N	109.90157972 W	73.48@	174.68	0.46
6740.00	2.99	191.78	6738.93	96.00	-75.23	77.70 S	5.84 E	38.65372444 N	109.90158342 W	77.91@	175.70	0.46
6835.00	1.85	211.86	6833.85	95.00	-78.31	81.42 S	4.52 E	38.65371427 N	109.90158826 W	81.55@	176.82	1.48
6931.00	1.23	214.03	6929.81	96.00	-79.90	83.59 S	3.13 E	38.65370838 N	109.90159328 W	83.65@	177.86	0.65
7027.00	1.32	212.69	7025.79	96.00	-81.19	85.38 S	1.96 E	38.65370354 N	109.90159750 W	85.40@	178.69	0.10
7122.00	1.58	214.35	7120.76	95.00	-82.64	87.38 S	0.63 E	38.65369811 N	109.90160228 W	87.38@	179.59	0.28
7218.00	2.55	212.12	7216.69	96.00	-84.75	90.28 S	1.26 W	38.65369024 N	109.90160905 W	90.29@	180.80	1.01

PathFinder – a Schlumberger company

Survey Report

FIDELITY EXPLORATION & PRODUCTION
CCU 2-1-25-18H
GRAND COUNTY, UT
API#: 43-019-50036 Rig: NABORS M38

Page 02/02

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
7312.00	2.81	208.01	7310.59	94.00	-87.61	94.09 S	3.45 W	38.65367990 N	109.90161697 W	94.15@	182.10	0.34
7408.00	2.90	207.52	7406.47	96.00	-90.86	98.32 S	5.68 W	38.65366840 N	109.90162503 W	98.48@	183.31	0.10
7504.00	3.08	207.04	7502.34	96.00	-94.30	102.77 S	7.97 W	38.65365629 N	109.90163334 W	103.08@	184.44	0.19
7600.00	2.11	190.36	7598.24	96.00	-97.61	106.80 S	9.46 W	38.65364529 N	109.90163881 W	107.22@	185.06	1.27
7696.00	1.93	183.55	7694.18	96.00	-100.64	110.16 S	9.88 W	38.65363611 N	109.90164048 W	110.60@	185.13	0.31
7791.00	2.20	180.55	7789.12	95.00	-103.82	113.58 S	10.00 W	38.65362672 N	109.90164110 W	114.02@	185.03	0.31
7887.00	2.46	182.64	7885.04	96.00	-107.47	117.48 S	10.11 W	38.65361602 N	109.90164174 W	117.91@	184.92	0.28
7982.00	2.55	183.15	7979.95	95.00	-111.31	121.62 S	10.32 W	38.65360465 N	109.90164274 W	122.06@	184.85	0.10
8078.00	2.99	183.31	8075.84	96.00	-115.59	126.26 S	10.58 W	38.65359195 N	109.90164394 W	126.70@	184.79	0.46
8174.00	3.43	187.71	8171.69	96.00	-120.46	131.60 S	11.11 W	38.65357730 N	109.90164613 W	132.07@	184.83	0.53
8270.00	3.34	189.48	8267.52	96.00	-125.46	137.21 S	11.96 W	38.65356196 N	109.90164944 W	137.73@	184.98	0.14
8366.00	3.43	191.03	8363.35	96.00	-130.39	142.78 S	12.97 W	38.65354670 N	109.90165333 W	143.37@	185.19	0.13
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 8428'MD.												
8428.00	3.43	191.03	8425.24	62.00	-133.59	146.42 S	13.68 W	38.65353674 N	109.90165604 W	147.06@	185.34	0.00

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Cane Creek Unit 2-1-25-18 H2				
2. TYPE OF WORK DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input checked="" type="radio"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Oil Well <input type="radio"/> Coalbed Methane Well: NO <input type="radio"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME CANE CREEK				
6. NAME OF OPERATOR FIDELITY E&P COMPANY						7. OPERATOR PHONE 720 917-3026				
8. ADDRESS OF OPERATOR 1801 California St. Ste 2500, Denver, CO, 80202						9. OPERATOR E-MAIL renee.kendrick@fidelityepco.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML43326 UTU51636			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			12. SURFACE OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input type="radio"/> STATE <input checked="" type="radio"/> FEE <input type="radio"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			19. SLANT VERTICAL <input type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input checked="" type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		768 FSL 2392 FEL		SWSE	2	25.0 S	18.0 E	S		
Top of Uppermost Producing Zone		768 FSL 2392 FEL		SWSE	2	25.0 S	18.0 E	S		
At Total Depth		775 FNL 117 FWL		NWNW	14	25.0 S	18.0 E	S		
21. COUNTY GRAND			22. DISTANCE TO NEAREST LEASE LINE (Feet) 768			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0			26. PROPOSED DEPTH MD: 15296 TVD: 8064				
27. ELEVATION - GROUND LEVEL 5150			28. BOND NUMBER CO1395			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Moab Municipal Water Supply				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	20	0 - 90	0.0	Unknown	0.0	No Used	0	0.0	0.0
SURF	17.5	13.375	0 - 1100	54.5	J-55 Buttress	0.0	Type II	470	2.38	12.3
							Type II	210	2.14	14.2
I1	12.25	9.625	0 - 5026	40.0	L-80 Buttress	0.0	Type II	1040	2.1	12.8
							Type II	100	2.02	13.0
Prod	8.5	7	0 - 4400	29.0	P-110 Other	16.5	Class G	400	1.72	19.0
			4400 - 8674	32.0	HCP-110 LT&C	16.5	Class G	675	1.72	19.0
			8674 - 15296	29.0	P-110 Other	16.5	None			
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton			TITLE Permitting Agent (Star Point Enterprises, Inc.)				PHONE 435 650-3866			
SIGNATURE			DATE 09/29/2014				EMAIL starpoint@etv.net			
API NUMBER ASSIGNED 43019500360000			APPROVAL Permit Manager							

RECEIVED: December 16, 2014

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK UNIT 2-1-25-18 H2
SEC 2 / T25S / R18E, SWSE, 768' FSL & 2392' FEL
GRAND COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Sub-Sea (ft)	Lithology	Objective
Wingate	309	+4,864	Sandstone	
Chinle	809	+4,364	Sand/Shale	
Moenkopi	1,054	+4,119	Sand/Shale	
Cutler	1,709	+3,464	Sandstone	
Paradox	4,596	+577	Salt/Clastics	Secondary
Top Cane Creek	8,210	-3,037	Silt/Shale	Primary
TD (landing)	8,320			

Estimated TD: 15,296' MD / 8,064' TVD

Anticipated BHP: ±7,000 Psig

1. Lost circulation in all intervals.
2. Cement isolation is installed to surface of the well isolating all zones by cement and casing.

3. PRESSURE CONTROL EQUIPMENT:Intermediate & Production Hole – 10,000 Psig
BOP schematic diagrams attached.**4. CASING PROGRAM:**

CASING	Hole Size	Length	Size	WEIGHT	Grade	Thread	Collapse (psi) a	Burst (psi) b	Tensile (1K lbs) c
Conductor (Existing)	26"	0 – ±90'	20"						
Surface (Existing)	17 ½"	0' – 1,100'	13 3/8"	54.5#	J-55	BTC	1130/2.1	2730/3.0	909/2.5
Intermediate (Existing)	12 ¼"	0 – 5,050'	9-5/8"	40.0#	L-80	BTC	3,090/1.5	5,750/1.2	947/2.1
Production (Existing)	8-1/2"	0 – 4,400'	7"	29#	P-110	BTC	8,530/1.3	11,220/2.0	955/2.1
Production (Existing)	8-1/2"	4,400 – 7,504'	7"	32#	HCP-110	BTC	11,890/1.9	12,460/2.0	955/2.1
Liner	6"	7,204' – 15,296'	4-1/2"	15.1#	P-110	BTC	14,350/1.3	14,420/2.0	406/2.1

Surface based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull.

Intermediate based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull.

Production based on full evacuation: a=16.5 ppg fluid on backside, b=16.5 ppg inside, & c=16.5 ppf fluid + 100K overpull

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK UNIT 2-1-25-18 H2
SEC 2 / T25S / R18E, SWSE, 768' FSL & 2392' FEL
GRAND COUNTY, UTAH

All casing will be new or inspected.

5. Float Equipment:**Production Hole Procedure (0' - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint. 1 per joint in the lateral (length TBD), and 1 per joint in the curve to $\pm 7,800'$. (Approximately 190)

6. MUD PROGRAM

Interval	Mud Type	Mud Wt.	PV / YP	OWR
7,504' - 15,296'	Oil Based Mud	13.5-16.5 ppg	22-32 / 12-22	+/-90:10

Production Hole Procedure (7,504' - TD): Anticipated mud weight 13.5 – 16.5 ppg depending on actual wellbore conditions encountered while drilling.

An oil based mud (OBM) system will be used to prevent fluid interaction with the salts and shales. LCM sweeps, pills, etc., will be used to prevent fluid loss. Adequate amounts of weighting material will be on hand as needed for well control.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- Fidelity E&P. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- Fidelity E&P requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- Fidelity E&P requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Mud Logs: Mud log from 7,504' to TD
Open-hole Logs: Triple-Combo, ECS, OBM FMI

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK UNIT 2-1-25-18 H2
SEC 2 / T25S / R18E, SWSE, 768' FSL & 2392' FEL
GRAND COUNTY, UTAH

9. CEMENT PROGRAM:

Production Hole Procedure (7,204' – TD):

Lead: 685 sks Class G cement + 90 pps Hematite. Yield = 1.72 ft³/sk @ 19.00 ppg.

Note: The above number of sacks is based on 30% excess.
TOC @ Liner Top (7,204')

10. ABNORMAL CONDITIONS:

Production Hole (7,504'± - TD):

Lost circulation zones and over pressure in the production zone.

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

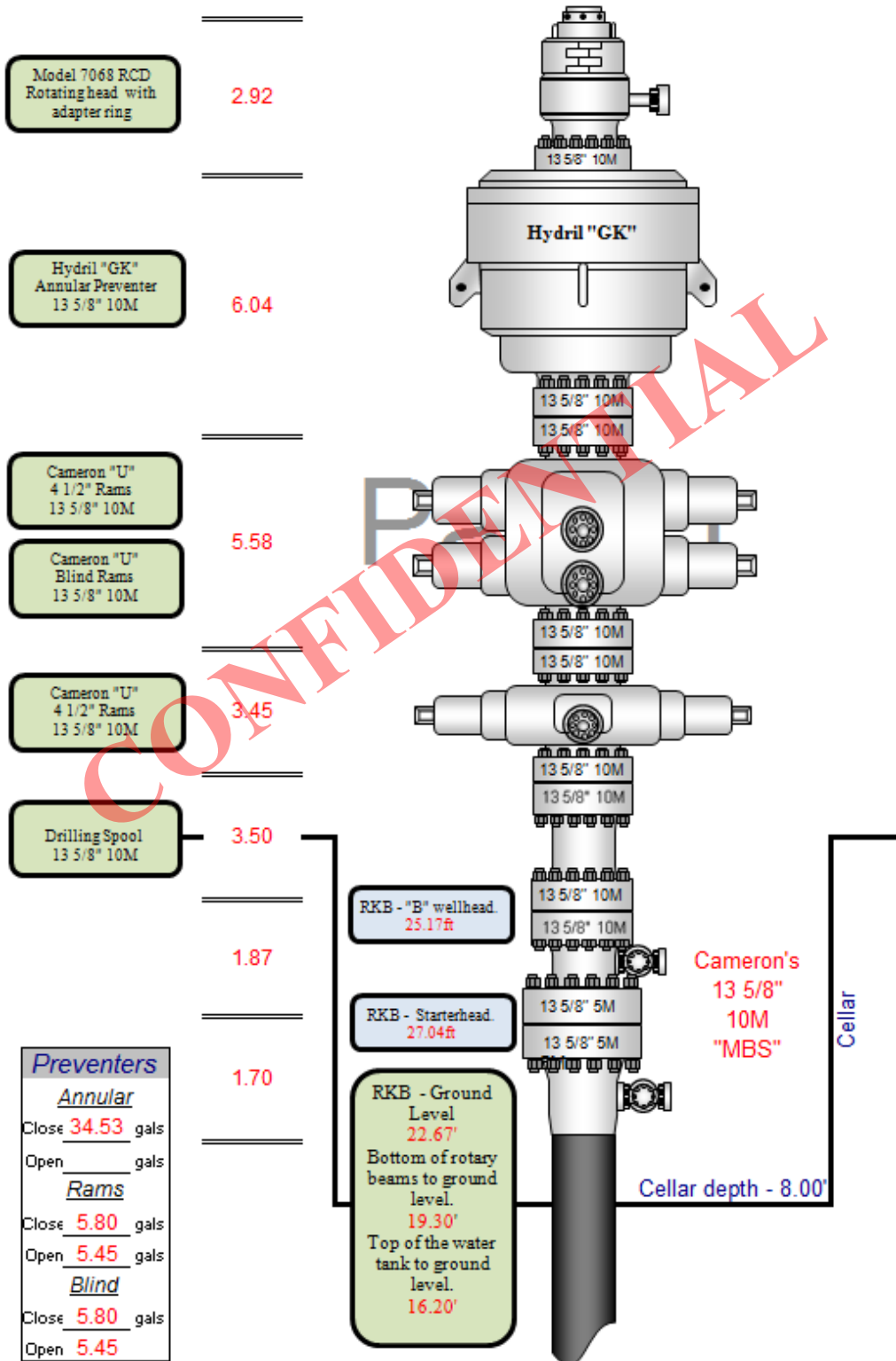
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

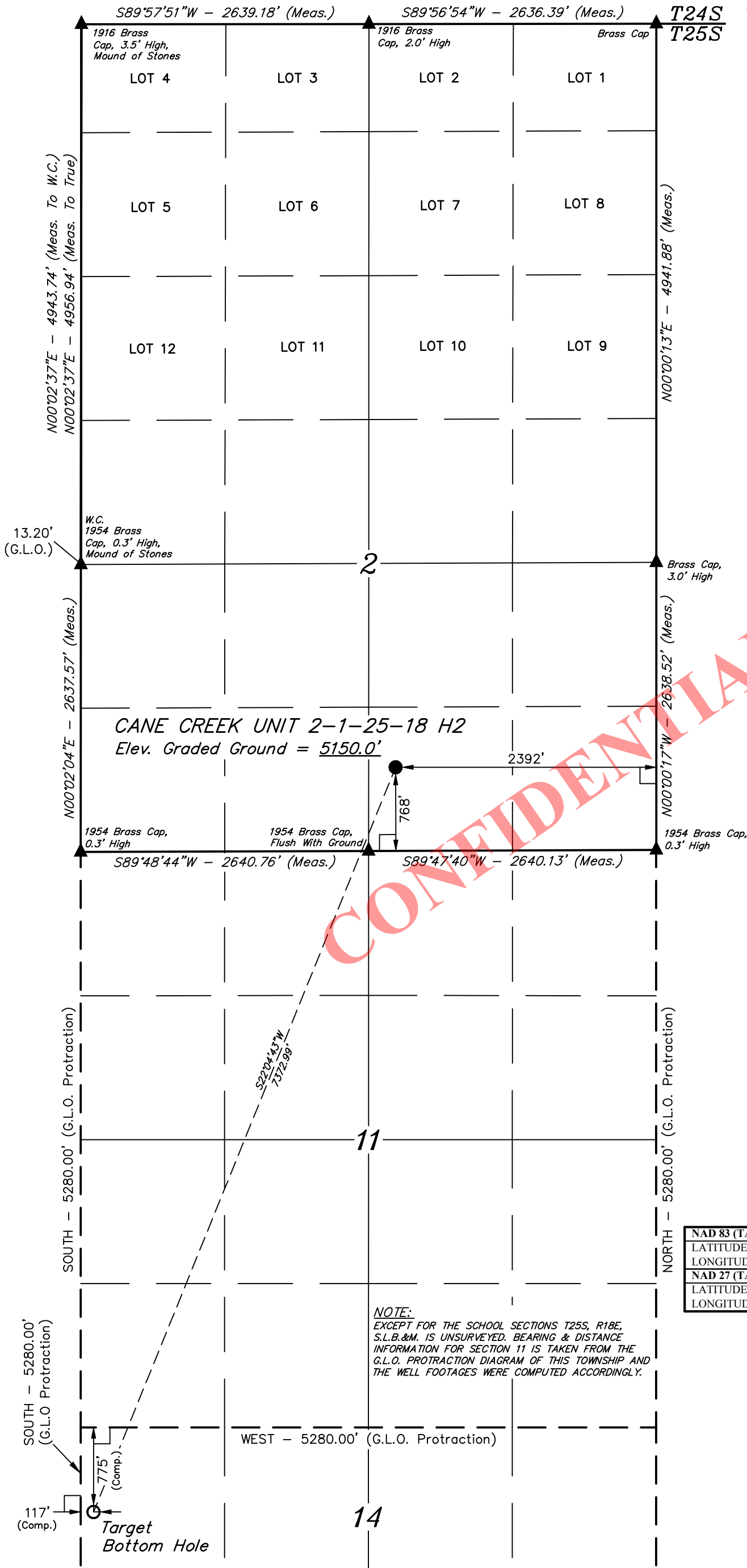
(Attachment: BOP Schematic Diagram)

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK UNIT 2-1-25-18 H2
SEC 2 / T25S / R18E, SWSE, 768' FSL & 2392' FEL
GRAND COUNTY, UTAH



T25S, R18E, S.L.B.&M.



- LEGEND:**
- 90° SYMBOL
 - PROPOSED WELLHEAD.
 - TARGET BOTTOM HOLE.
 - SECTION CORNERS LOCATED.
 - SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 38°38'06.70" (38.635195)	LATITUDE = 38°39'14.17" (38.653936)
LONGITUDE = 109°54'40.86" (109.911350)	LONGITUDE = 109°54'05.77" (109.901603)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 38°38'06.78" (38.635216)	LATITUDE = 38°39'14.25" (38.653958)
LONGITUDE = 109°54'38.41" (109.910670)	LONGITUDE = 109°54'03.32" (109.900922)

NOTE:
EXCEPT FOR THE SCHOOL SECTIONS T25S, R18E, S.L.B.&M. IS UNSURVEYED. BEARING & DISTANCE INFORMATION FOR SECTION 11 IS TAKEN FROM THE G.L.O. PROTRACTION DIAGRAM OF THIS TOWNSHIP AND THE WELL FOOTAGES WERE COMPUTED ACCORDINGLY.

CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION
ABRES TRIANGULATION STATION LOCATED IN THE SE 1/4 OF SECTION 31, T21S, R17E, S.L.B.&M. TAKEN FROM THE GREEN RIVER NE, QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4518 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



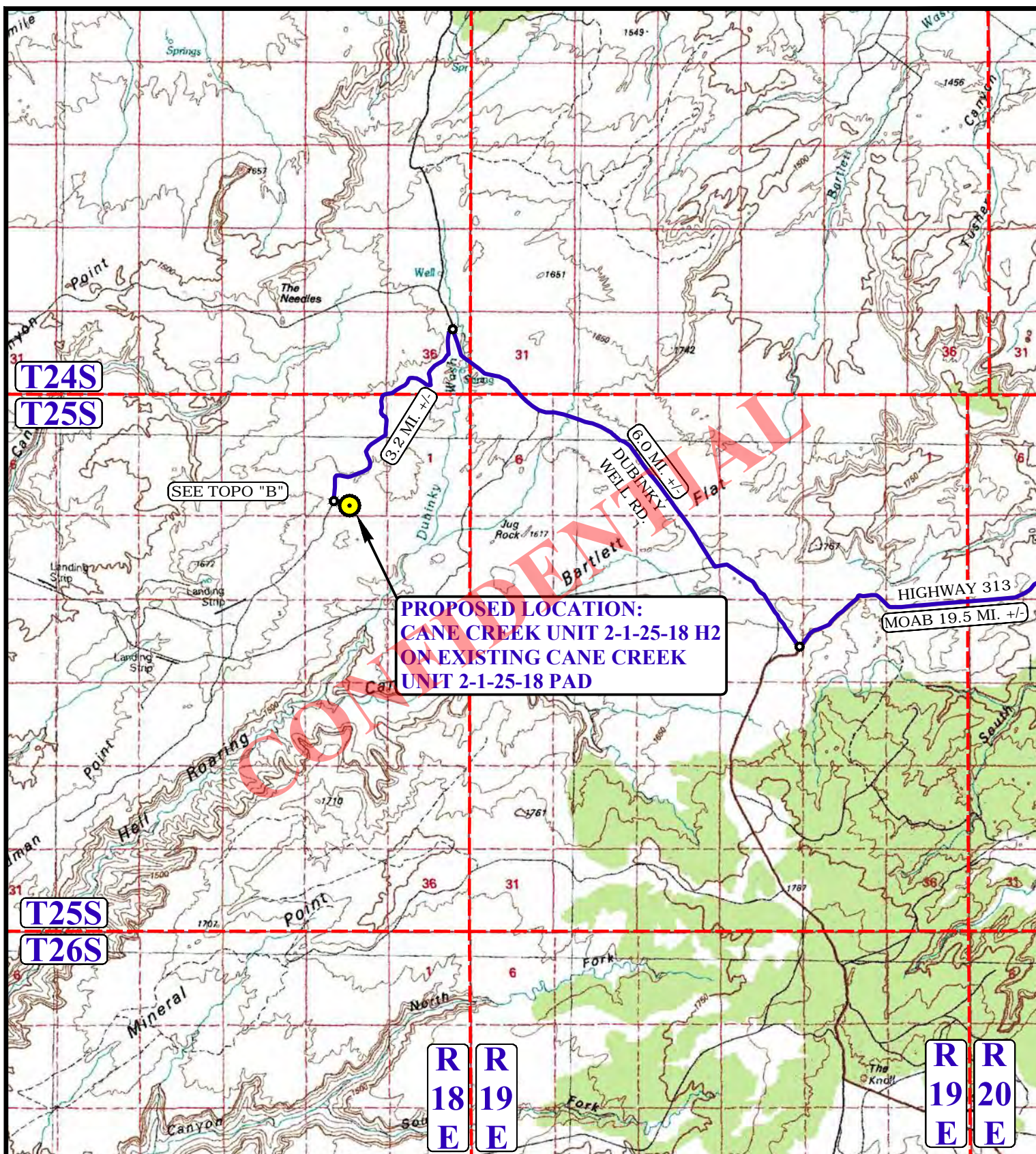
FIDELITY EXPLR. & PROD. CO.

CANE CREEK UNIT 2-1-25-18 H2
SW 1/4 SE 1/4, SECTION 2, T25S, R18E, S.L.B.&M.
GRAND COUNTY, UTAH

SURVEYED BY: B.B., B.BOX	SURVEY DATE: 05-28-14
DRAWN BY: T.T.	DATE DRAWN: 05-29-14
SCALE: 1" = 1000'	REVISED: 09-23-14

WELL LOCATION PLAT

RECEIVED: September 29, 2014

**LEGEND:**

 PROPOSED LOCATION

**FIDELITY EXPLR. & PROD. CO.**

**CANE CREEK UNIT 2-1-25-18 H2 ON EXISTING
CANE CREEK UNIT 2-1-25-18 PAD
SECTION 2, T25S, R18E, S.L.B.&M.
SW 1/4 SE 1/4**

DRAWN BY: L.S.

DATE DRAWN: 06-03-14

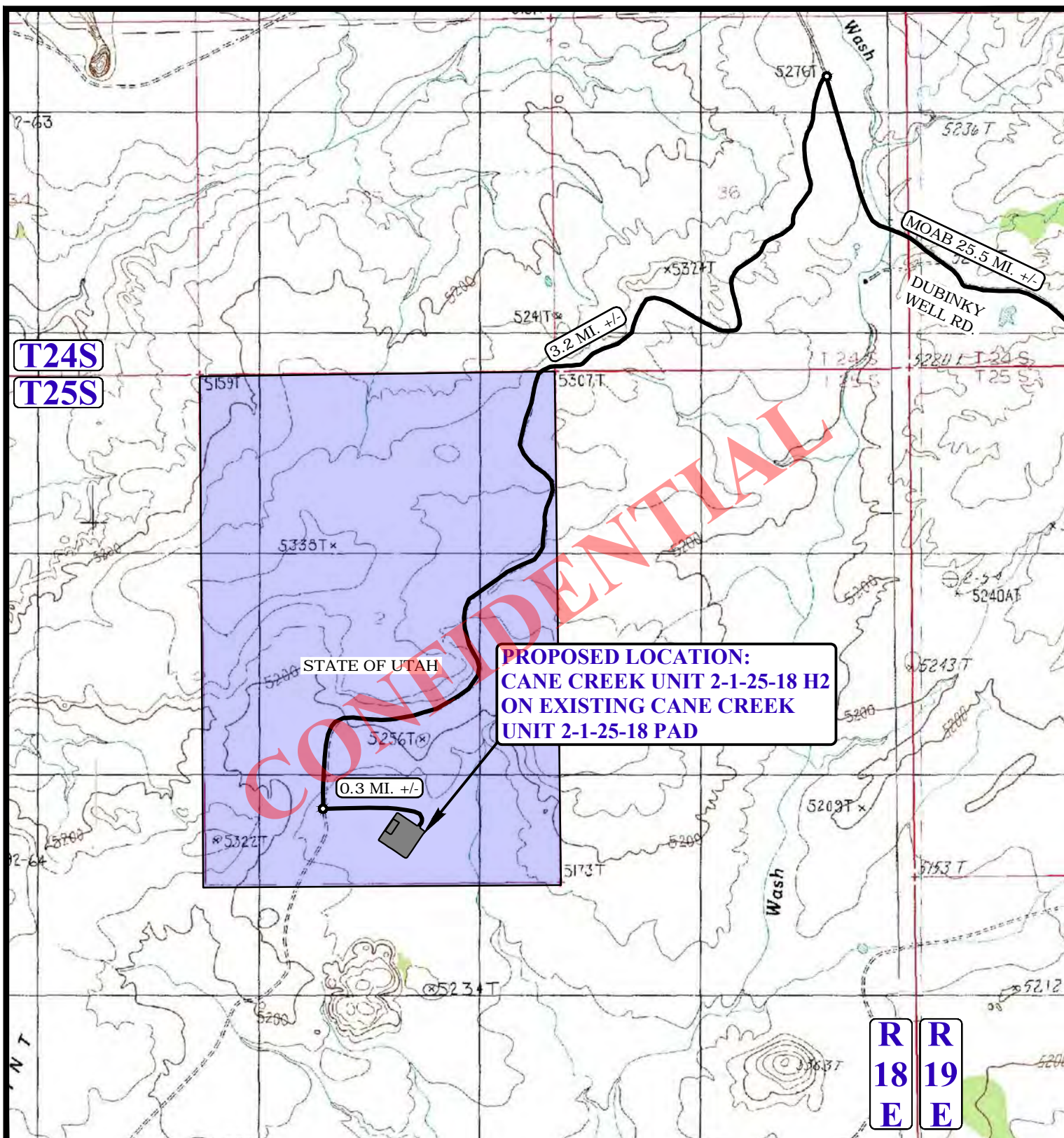
SCALE: 1:100,000

REVISED: 09-23-14 Z.H.F.

ACCESS ROAD MAP**TOPO A****UELS, LLC**

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RECEIVED: September 29, 2014



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

-  EXISTING ROAD
 PROPOSED ROAD

FIDELITY EXPLR. & PROD. CO.

**CANE CREEK UNIT 2-1-25-18 H2 ON EXISTING
CANE CREEK UNIT 2-1-25-18 PAD
SECTION 2, T25S, R18E, S.L.B.&M.
SW 1/4 SE 1/4**

DRAWN BY: L.S.

DATE DRAWN: 06-03-14

SCALE: 1" = 2000'

REVISÉ: 09-23-14 Z.H.F.

ACCESS ROAD MAP

TOPO B

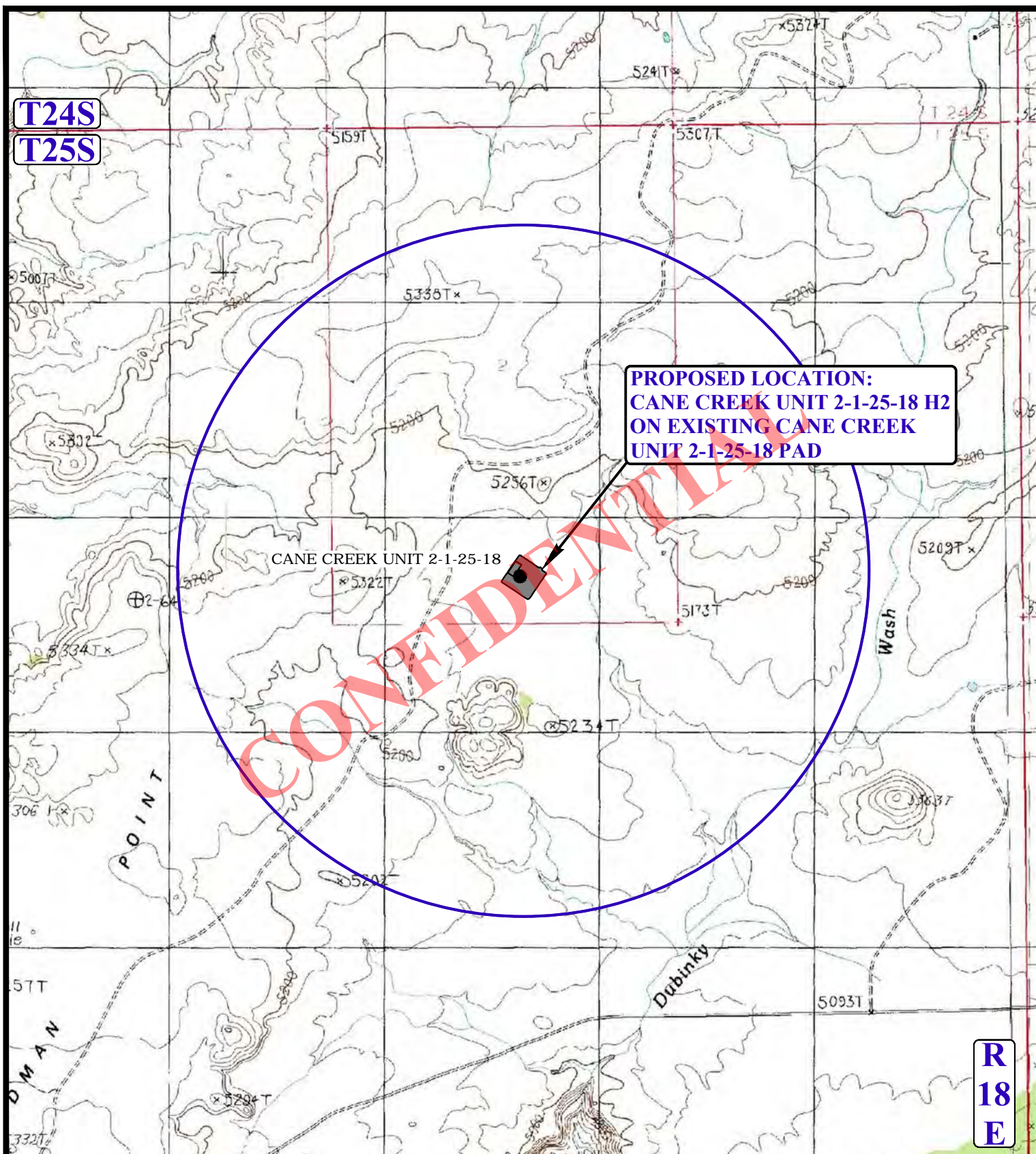


UELS, LLC

**Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017**



RECEIVED: September 29, 2014

**LEGEND:**

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ● WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

FIDELITY EXPLR. & PROD. CO.

**CANE CREEK UNIT 2-1-25-18 H2 ON EXISTING
CANE CREEK UNIT 2-1-25-18 PAD
SECTION 2, T25S, R18E, S.L.B.&M.
SW 1/4 SE 1/4**

DRAWN BY: L.S.

DATE DRAWN: 06-03-14

SCALE: 1" = 2000'

REVISED: 09-23-14 Z.H.F.

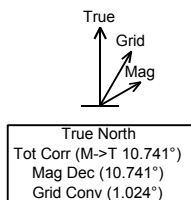
WELL PROXIMITY MAP**TOPO C****UELS, LLC**

Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

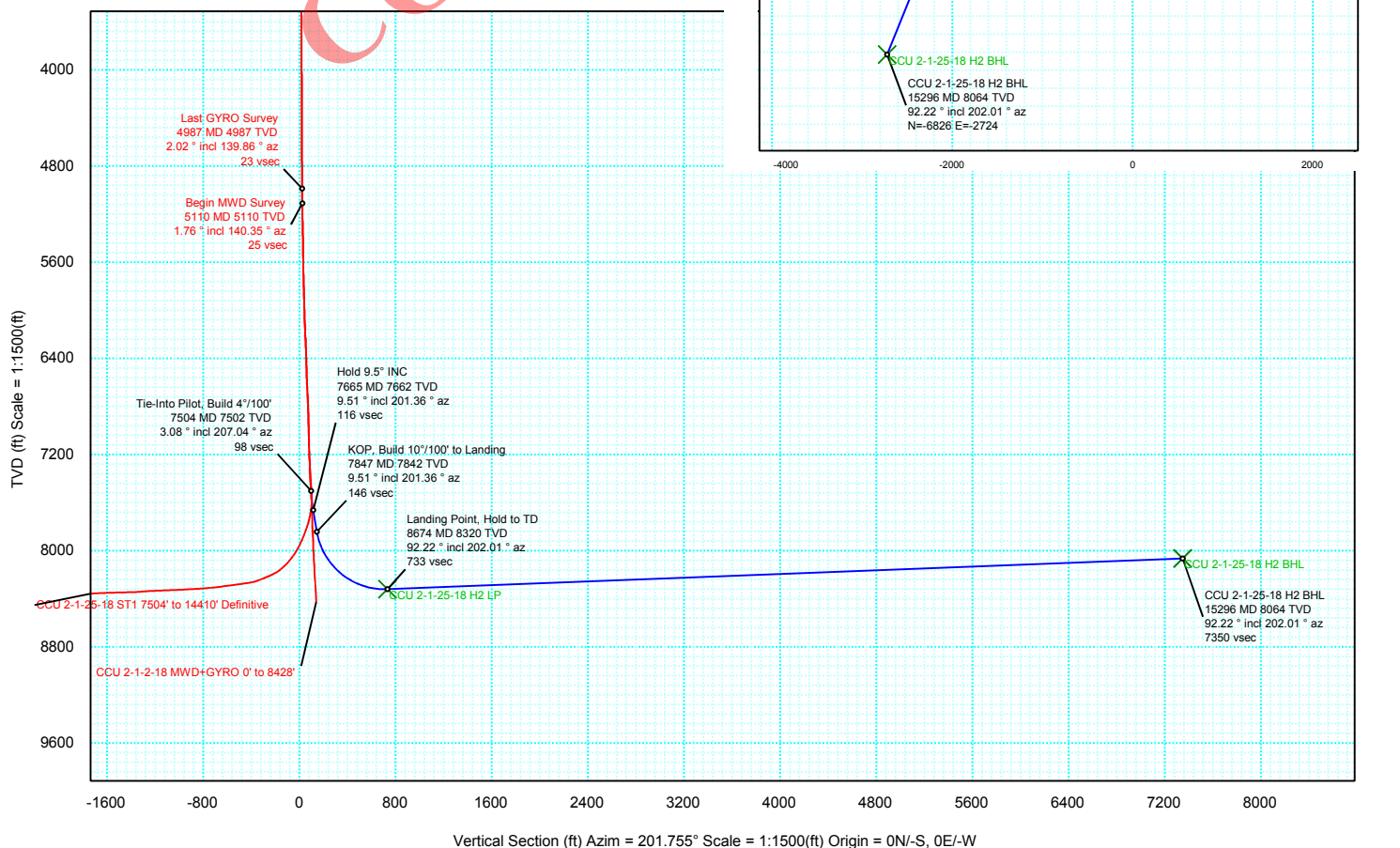


Borehole:		Well:		Field:		Structure:	
ST2		CCU 2-1-25-18		UT, Grand County (NAD 83 CZ)		02-25S-18E - Nabors M38	
Gravity & Magnetic Parameters				Surface Location		Miscellaneous	
Model: BGGM 2014		Dip: 64.61°		Date: 19-Sep-2014		Slot: CCU 2-1-25-18	
MagDec: 10.741°		FS: 51099.79nT		Gravity FS: 998.832mgn (9.80665 Based)		TVD Ref: KB 23ft(5177ft above MSL)	
		Lat: N 38 39 14.18		Northing: 6682527.31ftU		Plan: CCU 2-1-25-18 H2 R0 mdy 22Sept14	
		Lon: W 109 54 5.76		Easting: 2096923.19ftU		Scale Fact: 1.00010923	

Proposal



Surface Location								
Northing: 6682527.31		Easting: 2096923.193		Latitude: N 38 39 14.18		Longitude: W 109 54 5.76		VSec Azimuth: 201.75 5
Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
CCU 2-1-25-18 H2 BHL	N 38 38 6.70	W 109 54 40.09	6675652.87	2094321.25	8064.00	7349.59	-6826.11	-2724.08
CCU 2-1-25-18 H2 LP	N 38 39 7.34	W 109 54 8.84	6681831.00	2096690.61	8320.00	733.48	-691.97	-244.96
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-Into Pilot, Build 4°/100'	7504.00	3.08	207.04	7502.34	98.41	-102.77	-7.97	
Hold 9.5° INC	7665.18	9.50	201.36	7662.46	116.04	-119.04	-14.79	4.00
KOP, Build 10°/100' to Landing	7847.29	9.50	201.36	7842.08	146.12	-147.05	-25.74	0.00
Landing Point, Hold to TD	8674.41	92.22	202.01	8320.00	733.36	-691.86	-244.92	10.00
CCU 2-1-25-18 H2 BHL	15295.65	92.22	202.01	8064.00	7349.59	-6826.11	-2724.08	0.00





CCU 2-1-25-18 H2 R0 mdv 22Sept14 Proposal Geodetic Report

(Def Plan)

Report Date: September 22, 2014 - 10:29 AM
Client: Fidelity
Field: UT, Grand County (NAD 83 CZ)
Structure / Slot: Fidelity 02-25S-18E (CCU 2-1-25-18 H1,H2) - Nabors M38 / CCU 2-1-25-18
Well: CCU 2-1-25-18
Borehole: ST2
UWI / API#: Unknown / Unknown
Survey Name: CCU 2-1-25-18 H2 R0 mdv 22Sept14
Survey Date: September 19, 2014
Tort / AHD / DDI / ERD Ratio: 109.171 ° / 7365.659 ft / 6.170 / 0.885
Coordinate Reference System: NAD83 Utah State Plane, Central Zone, US Feet
Location Lat / Long: N 38° 39' 14.17680", W 109° 54' 5.75640"
Location Grid N/E Y/X: N 6682527.310 ftUS, E 2096923.193 ftUS
CRS Grid Convergence Angle: 1.0239 °
Grid Scale Factor: 1.00010923
Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 201.755 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 23ft
TVD Reference Elevation: 5177.000 ft above MSL
Seabed / Ground Elevation: 5154.000 ft above MSL
Magnetic Declination: 10.741 °
Total Gravity Field Strength: 998.8324mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 51099.790 nT
Magnetic Dip Angle: 64.610 °
Declination Date: September 19, 2014
Magnetic Declination Model: BGM 2014
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 10.7414 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	
Tie-Into Pilot, Build 4"/100'	7504.00	3.08	207.04	7502.34	98.41	-102.77	-7.97	N/A	6682424.40	2096917.06	N 38 39 13.16	W 109 54 5.86	
Hold 9.5" INC	7600.00	6.90	202.39	7597.96	106.75	-110.41	-11.34	4.00	6682416.71	2096913.83	N 38 39 13.09	W 109 54 5.90	
	7665.18	9.50	201.36	7662.46	116.04	-119.04	-14.79	4.00	6682408.01	2096910.53	N 38 39 13.00	W 109 54 5.94	
	7700.00	9.50	201.36	7696.81	121.79	-124.40	-16.89	0.00	6682402.62	2096908.53	N 38 39 12.95	W 109 54 5.97	
	7800.00	9.50	201.36	7795.43	138.31	-139.77	-22.90	0.00	6682387.13	2096902.79	N 38 39 12.80	W 109 54 6.05	
KOP, Build 10"/100' to Landing	7847.29	9.50	201.36	7842.08	146.12	-147.05	-25.74	0.00	6682379.81	2096900.08	N 38 39 12.72	W 109 54 6.08	
	7900.00	14.78	201.59	7893.59	157.20	-157.36	-29.81	10.00	6682369.43	2096896.20	N 38 39 12.62	W 109 54 6.13	
	8000.00	24.78	201.77	7987.57	190.99	-188.75	-42.30	10.00	6682337.81	2096884.27	N 38 39 12.31	W 109 54 6.29	
	8100.00	34.78	201.85	8074.26	240.58	-234.80	-60.73	10.00	6682291.44	2096866.66	N 38 39 11.86	W 109 54 6.52	
	8200.00	44.77	201.89	8151.02	304.48	-294.09	-84.54	10.00	6682231.72	2096843.92	N 38 39 11.27	W 109 54 6.82	
	8300.00	54.77	201.93	8215.51	380.73	-364.84	-112.99	10.00	6682160.47	2096816.73	N 38 39 10.57	W 109 54 7.18	
	8400.00	64.77	201.95	8265.79	467.03	-444.89	-145.23	10.00	6682079.85	2096785.92	N 38 39 9.78	W 109 54 7.59	
	8500.00	74.77	201.97	8300.32	560.74	-531.80	-180.28	10.00	6681992.32	2096752.42	N 38 39 8.92	W 109 54 8.03	
	8600.00	84.77	201.99	8318.05	659.03	-622.94	-217.07	10.00	6681900.52	2096717.26	N 38 39 8.02	W 109 54 8.49	
	Landing Point, Hold to TD	8674.41	92.22	202.01	8320.00	733.36	-691.86	-244.92	10.00	6681831.11	2096690.65	N 38 39 7.34	W 109 54 8.84
	8700.00	92.22	202.01	8319.01	758.93	-715.57	-254.50	0.00	6681807.23	2096681.50	N 38 39 7.10	W 109 54 8.96	
	8800.00	92.22	202.01	8315.14	858.86	-808.21	-291.94	0.00	6681713.92	2096645.71	N 38 39 6.19	W 109 54 9.44	
	8900.00	92.22	202.01	8311.28	958.78	-900.86	-329.38	0.00	6681620.61	2096609.93	N 38 39 5.27	W 109 54 9.91	
	9000.00	92.22	202.01	8307.41	1058.70	-993.50	-366.83	0.00	6681527.30	2096574.14	N 38 39 4.36	W 109 54 10.38	
	9100.00	92.22	202.01	8303.54	1158.63	-1086.15	-404.27	0.00	6681433.99	2096538.36	N 38 39 3.44	W 109 54 10.85	
	9200.00	92.22	202.01	8299.68	1258.55	-1178.80	-441.71	0.00	6681340.68	2096502.57	N 38 39 2.52	W 109 54 11.32	
	9300.00	92.22	202.01	8295.81	1358.48	-1271.44	-479.15	0.00	6681247.37	2096466.79	N 38 39 1.61	W 109 54 11.80	
	9400.00	92.22	202.01	8291.95	1458.40	-1364.09	-516.60	0.00	6681154.06	2096431.00	N 38 39 0.69	W 109 54 12.27	
	9500.00	92.22	202.01	8288.08	1558.33	-1456.73	-554.04	0.00	6681060.75	2096395.22	N 38 39 0.69	W 109 54 12.74	
	9600.00	92.22	202.01	8284.21	1658.25	-1549.38	-591.48	0.00	6680967.45	2096359.43	N 38 38 58.86	W 109 54 13.21	
	9700.00	92.22	202.01	8280.35	1758.17	-1642.02	-628.93	0.00	6680874.14	2096323.65	N 38 38 57.95	W 109 54 13.68	
9800.00	92.22	202.01	8276.48	1858.10	-1734.67	-666.37	0.00	6680780.83	2096287.86	N 38 38 57.03	W 109 54 14.16		
9900.00	92.22	202.01	8272.61	1958.02	-1827.31	-703.81	0.00	6680687.52	2096252.08	N 38 38 56.11	W 109 54 14.63		
10000.00	92.22	202.01	8268.75	2057.95	-1919.96	-741.25	0.00	6680594.21	2096216.29	N 38 38 55.20	W 109 54 15.10		
10100.00	92.22	202.01	8264.88	2157.87	-2012.60	-778.70	0.00	6680500.90	2096180.51	N 38 38 54.28	W 109 54 15.57		
10200.00	92.22	202.01	8261.01	2257.80	-2105.25	-816.14	0.00	6680407.59	2096144.72	N 38 38 53.37	W 109 54 16.04		
10300.00	92.22	202.01	8257.15	2357.72	-2197.89	-853.58	0.00	6680314.28	2096108.94	N 38 38 52.45	W 109 54 16.52		
10400.00	92.22	202.01	8253.28	2457.64	-2290.54	-891.02	0.00	6680220.97	2096073.15	N 38 38 51.54	W 109 54 16.99		
10500.00	92.22	202.01	8249.42	2557.57	-2383.18	-928.47	0.00	6680127.66	2096037.37	N 38 38 50.62	W 109 54 17.46		
10600.00	92.22	202.01	8245.55	2657.49	-2475.83	-965.91	0.00	6680034.35	2096001.58	N 38 38 49.70	W 109 54 17.93		
10700.00	92.22	202.01	8241.68	2757.42	-2568.47	-1003.35	0.00	6679941.04	2095965.80	N 38 38 48.79	W 109 54 18.40		
10800.00	92.22	202.01	8237.82	2857.34	-2661.12	-1040.79	0.00	6679847.73	2095930.01	N 38 38 47.87	W 109 54 18.87		
10900.00	92.22	202.01	8233.95	2957.27	-2753.76	-1078.24	0.00	6679754.42	2095894.23	N 38 38 46.96	W 109 54 19.35		
11000.00	92.22	202.01	8230.08	3057.19	-2846.41	-1115.68	0.00	6679661.11	2095858.44	N 38 38 46.04	W 109 54 19.82		
11100.00	92.22	202.01	8226.22	3157.11	-2939.05	-1153.12	0.00	6679567.81	2095822.66	N 38 38 45.13	W 109 54 20.29		
11200.00	92.22	202.01	8222.35	3257.04	-3031.70	-1190.56	0.00	6679474.50	2095786.87	N 38 38 44.21	W 109 54 20.76		
11300.00	92.22	202.01	8218.49	3356.96	-3124.34	-1228.01	0.00	6679381.19	2095751.09	N 38 38 43.29	W 109 54 21.23		
11400.00	92.22	202.01	8214.62	3456.89	-3216.99	-1265.45	0.00	6679287.88	2095715.30	N 38 38 42.38	W 109 54 21.71		
11500.00	92.22	202.01	8210.75	3556.81	-3309.63	-1302.89	0.00	6679194.57	2095679.52	N 38 38 41.46	W 109 54 22.18		
11600.00	92.22	202.01	8206.89	3656.74	-3402.28	-1340.33	0.00	6679101.26	2095643.73	N 38 38 40.55	W 109 54 22.65		
11700.00	92.22	202.01	8203.02	3756.66	-3494.92	-1377.78	0.00	6679007.95	2095607.95	N 38 38 39.63	W 109 54 23.12		
11800.00	92.22	202.01	8199.15	3856.58	-3587.57	-1415.22	0.00	6678914.64	2095572.16	N 38 38 38.71	W 109 54 23.59		
11900.00	92.22	202.01	8195.29	3956.51	-3680.21	-1452.66	0.00	6678821.33	2095536.38	N 38 38 37.80	W 109 54 24.07		
12000.00	92.22	202.01	8191.42	4056.43	-3772.86	-1490.10	0.00	6678728.02	2095500.59	N 38 38 36.88	W 109 54 24.54		
12100.00	92.22	202.01	8187.55	4156.36	-3865.50	-1527.55	0.00	6678634.71	2095464.81	N 38 38 35.97	W 109 54 25.01		
12200.00	92.22	202.01	8183.69	4256.28	-3958.15	-1564.99	0.00	6678541.40	2095429.02	N 38 38 35.05	W 109 54 25.48		
12300.00	92.22	202.01	8179.82	4356.21	-4050.79	-1602.43	0.00	6678448.09	2095393.24	N 38 38 34.14	W 109 54 25.95		
12400.00	92.22	202.01	8175.96	4456.13	-4143.44	-1639.88	0.00	6678354.78	2095357.45	N 38 38 33.22	W 109 54 26.42		
12500.00	92.22	202.01	8172.09	4556.05	-4236.08	-1677.32	0.00	6678261.47	2095321.67	N 38 38 32.30	W 109 54 26.90		
12600.00	92.22	202.01	8168.22	4655.98	-4328.73	-1714.76	0.00	6678168.17	2095285.88	N 38 38 31.39	W 109 54 27.37		
12700.00	92.22	202.01	8164.36	4755.90	-4421.37	-1752.20	0.00	6678074.86	2095250.10	N 38 38 30.47	W 109 54 27.84		
12800.00	92.22	202.01	8160.49	4855.83	-4514.02	-1789.65	0.00	6677981.55	2095214.31	N 38 38 29.56	W 109 54 28.31		
12900.00	92.22	202.01	8156.62	4955.75	-4606.66	-1827.09	0.00	6677888.24	2095178.53	N 38 38 28.64	W 109 54 28.78		
13000.00	92.22	202.01	8152.76	5055.68	-4699.31	-1864.53	0.00	6677794.93	2095142.74	N 38 38 27.73	W 109 54 29.26		
13100.00	92.22	202.01	8148.89	5155.60	-4791.95	-1901.97	0.00	6677701.62	2095106.96	N 38 38 26.81	W 109 54 29.73		
13200.00	92.22	202.01	8145.02	5255.52	-4884.60	-1939.42	0.00	6677608.31	2095071.17	N 38 38 25.89	W 109 54 30.20		
13300.00	92.22	202.01	8141.16	5355.45	-4977.24	-1976.86	0.00	6677515.00	2095035.39	N 38 38 24.98	W 109 54 30.67		
13400.00	92.22	202.01	8137.29	5455.37	-5069.89	-2014.30	0.00	6677421.69	2094999.60	N 38 38 24.06	W 109 54 31.14		
13500.00	92.22	202.01	8133.43	5555.30	-5162.53	-2051.74	0.00	6677328.38	2094963.82	N 38 38 23.15	W 109 54 31.61		
13600.00	92.22	202.01	8129.56	5655.22	-5255.18	-2089.19	0.00	6677235.07	2094928.03	N 38 38 22.23	W 109 54 32.09		
13700.00	92.22	202.01	8125.69	5755.15	-5347.82	-2126.63	0.00	6677141.76	2094892.25	N 38 38 21.31	W 109 54 32.56		
13800.00	92.22	202.01	8121.83	5855.07	-5440.47	-2164.07	0.00	6677048.45	2094856.46	N 38 38 20.40	W 109 54 33.03		
13900.00	92.22	202.01	8117.96	5954.99	-5533.11	-2201.51	0.00	6676955.14	2094820.68	N 38 38 19.48	W 109 54 33.50		
14000.00	92.22	202.01	8114.09	6054.92	-5625.76	-2238.96	0.00	6676861.83	2094784.89	N 38 38 18.57	W 109 54 33.97		
14100.00	92.22	202.01	8110.23	6154.84	-5718.40	-2276.40	0.00	6676768.53	2094749.11	N 38 38 17.65	W 109 54 34.45		
14200.00	92.22	202.01	8106.36	6254.77	-5811.05	-2313							

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	14300.00	92.22	202.01	8102.50	6354.69	-5903.69	-2351.28	0.00	6676581.91	2094677.54	N 38 38 15.82	W 109 54 35.39
	14400.00	92.22	202.01	8098.63	6454.62	-5996.34	-2388.73	0.00	6676488.60	2094641.75	N 38 38 14.90	W 109 54 35.86
	14500.00	92.22	202.01	8094.76	6554.54	-6088.98	-2426.17	0.00	6676395.29	2094605.97	N 38 38 13.99	W 109 54 36.33
	14600.00	92.22	202.01	8090.90	6654.46	-6181.63	-2463.61	0.00	6676301.98	2094570.18	N 38 38 13.07	W 109 54 36.80
	14700.00	92.22	202.01	8087.03	6754.39	-6274.27	-2501.05	0.00	6676208.67	2094534.40	N 38 38 12.16	W 109 54 37.28
	14800.00	92.22	202.01	8083.16	6854.31	-6366.92	-2538.50	0.00	6676115.36	2094498.61	N 38 38 11.24	W 109 54 37.75
	14900.00	92.22	202.01	8079.30	6954.24	-6459.56	-2575.94	0.00	6676022.05	2094462.83	N 38 38 10.33	W 109 54 38.22
	15000.00	92.22	202.01	8075.43	7054.16	-6552.21	-2613.38	0.00	6675928.74	2094427.04	N 38 38 9.41	W 109 54 38.69
	15100.00	92.22	202.01	8071.56	7154.09	-6644.85	-2650.83	0.00	6675835.43	2094391.26	N 38 38 8.49	W 109 54 39.16
	15200.00	92.22	202.01	8067.70	7254.01	-6737.50	-2688.27	0.00	6675742.12	2094355.47	N 38 38 7.58	W 109 54 39.63
CCU 2-1-25-18 H2 BHL	15295.65	92.22	202.01	8064.00	7349.59	-6826.11	-2724.08	0.00	6675652.87	2094321.25	N 38 38 6.70	W 109 54 40.09

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	23.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE-Depth Only	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	23.000	4987.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	4987.000	7504.000	Act Stns	30.000	30.000	SLB_MWD-STD	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	7504.000	15295.649	1/100.000	30.000	30.000	SLB_MWD-STD	ST2 / CCU 2-1-25-18 H2 R0 mdv 22Sept14



CCU 2-1-25-18 H2 R0 mdv 22Sept14 Proposal Geodetic Report



(Def Plan)

Report Date: September 22, 2014 - 10:28 AM

Client: Fidelity

Field: UT, Grand County (NAD 83 CZ)

Structure / Slot: Fidelity 02-25S-18E (CCU 2-1-25-18 H1,H2) - Nabors M38 / CCU 2-1-25-18

Well: CCU 2-1-25-18

Borehole: ST2

UWI / API#: Unknown / Unknown

Survey Name: CCU 2-1-25-18 H2 R0 mdv 22Sept14

Survey Date: September 19, 2014

Tort / AHD / DDI / ERD Ratio: 109.171 ° / 7365.659 ft / 6.170 / 0.885

Coordinate Reference System: NAD83 Utah State Plane, Central Zone, US Feet

Location Lat / Long: N 38° 39' 14.17680", W 109° 54' 5.75640"

Location Grid N/E Y/X: N 6682527.310 ftUS, E 2096923.193 ftUS

CRS Grid Convergence Angle: 1.0239 °

Grid Scale Factor: 1.00010923

Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski

Vertical Section Azimuth: 201.755 ° (True North)

Vertical Section Origin: 0.000 ft, 0.000 ft

TVD Reference Datum: KB 23ft

TVD Reference Elevation: 5177.000 ft above MSL

Seabed / Ground Elevation: 5154.000 ft above MSL

Magnetic Declination: 10.741 °

Total Gravity Field Strength: 998.8324mgn (9.80665 Based)

Gravity Model: GARM

Total Magnetic Field Strength: 51099.790 nT

Magnetic Dip Angle: 64.610 °

Declination Date: September 19, 2014

Magnetic Declination Model: BGM 2014

North Reference: True North

Grid Convergence Used: 0.0000 °

Total Corr Mag North→True North: 10.7414 °

Local Coord Referenced To: Well Head

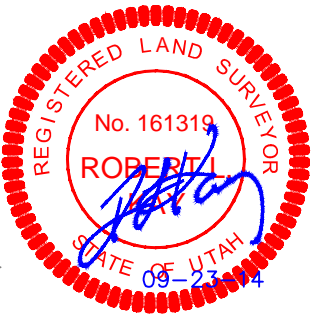
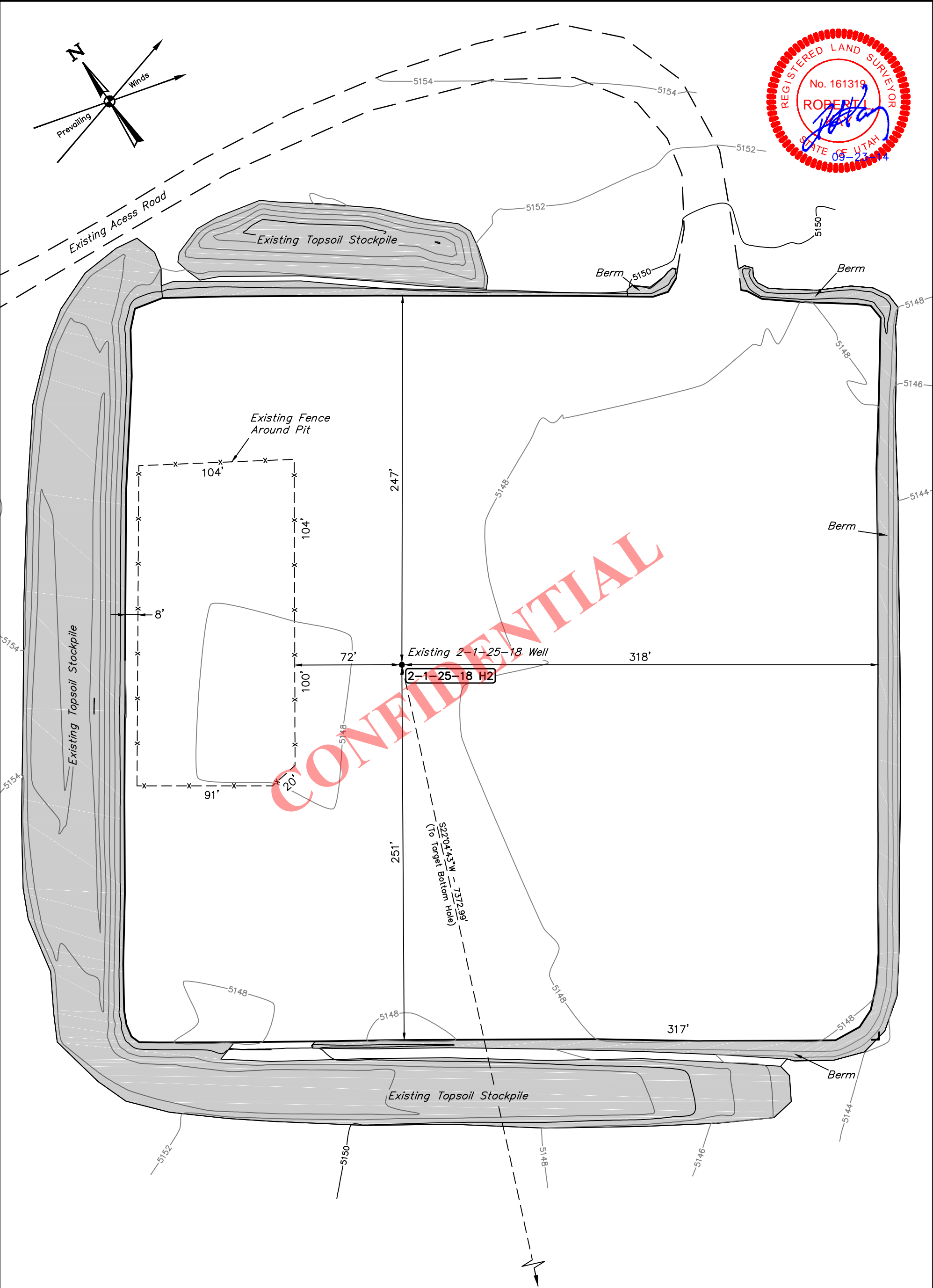
Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-Into Pilot, Build 4"/100'	7504.00	3.08	207.04	7502.34	98.41	-102.77	-7.97	N/A	6682424.40	2096917.06	N 38 39 13.16	W 109 54 5.86
Hold 9.5" INC KOP, Build 10"/100' to Landing	7665.18	9.50	201.36	7662.46	116.04	-119.04	-14.79	4.00	6682408.01	2096910.53	N 38 39 13.00	W 109 54 5.94
Landing Point, Hold to TD CCU 2-1-25-18 H2 BHL	7847.29	9.50	201.36	7842.08	146.12	-147.05	-25.74	0.00	6682379.81	2096900.08	N 38 39 12.72	W 109 54 6.08
	8674.41	92.22	202.01	8320.00	733.36	-691.86	-244.92	10.00	6681831.11	2096690.65	N 38 39 7.34	W 109 54 8.84
	15295.65	92.22	202.01	8064.00	7349.59	-6826.11	-2724.08	0.00	6675652.87	2094321.25	N 38 38 6.70	W 109 54 40.09

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	23.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE-Depth Only	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	23.000	4987.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	4987.000	7504.000	Act Stns	30.000	30.000	SLB_MWD-STD	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	7504.000	15295.649	1/100.000	30.000	30.000	SLB_MWD-STD	ST2 / CCU 2-1-25-18 H2 R0 mdv 22Sept14



DISTURBANCE ACREAGE = ±7.524

- NOTES:
- Contours shown at 2' intervals.

FIDELITY EXPLR. & PROD. CO.
CANE CREEK UNIT 2-1-25-18 H2 ON
EXISTING CANE CREEK UNIT 2-1-25-18 PAD
SECTION 2, T25S, R18E, S.L.B.&M.
SW 1/4 SE 1/4



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: T.T.	DATE DRAWN: 05-29-14
SCALE: 1" = 60'	REVISED: 09-23-14
AS BUILT SITE PLAN	FIGURE #1



Lisha Cordova <lishacordova@utah.gov>

Fidelity Approval

1 message

Jeff Conley <jconley@utah.gov>

Fri, Oct 10, 2014 at 2:16 PM

Reply-To: jconley@utah.gov

To: Lisha Cordova <lishacordova@utah.gov>, Bradley Hill <bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov>

Cc: starpoint <starpoint@etv.net>

Hello,

The following well has been approved by SITLA:

(4301950036) Cane Creek Unit 2-1-25-18 H2

Thanks,

--

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157

CONFIDENTIAL

RECEIVED: October 11, 2014



Lisha Cordova <lishacordova@utah.gov>

FW: Application For Permit to Drill Sent Back for Revisions

1 message

Lauren Macmillan <lmacmillan@crescentpointenergy.com>

Fri, Oct 10, 2014 at 3:06 PM

To: "lishacordova@utah.gov" <lishacordova@utah.gov>

Hi Lisa,

Thanks for getting on these submitted APDs so quickly!

We apologize for missing the mistake on the section number in the plat legend. We have sent it back to our civil surveyors and requested that the mistake be corrected ASAP.

The SUA was provided for the small segment of pipeline and access road corridor that pass across private surface (Huber, Section 26). The remainder of the proposed pad, access road and pipeline corridor are on federal surface.

Please let us know if you need any additional information from us and have a wonderful weekend.

Lauren

-----Original Message-----

From: Kristen Johnson

Sent: Friday, October 10, 2014 3:00 PM

To: Lauren Macmillan

Subject: FW: Application For Permit to Drill Sent Back for Revisions

Hello

Who should I forward this one to? Or how to we handle these kick backs?

-----Original Message-----

From: lishacordova@utah.gov [mailto:lishacordova@utah.gov]

Sent: Friday, October 10, 2014 2:57 PM

To: Kristen Johnson

Subject: Application For Permit to Drill Sent Back for Revisions

APD Number: 10395

Well Name: Ouray Valley Fed 10-25-5-19E

Operator: CRESCENT POINT ENERGY U.S. CORP APD & survey plat (Sec. 25), however several maps show wrong section (Sec. 26). Surface Federal or Fee (fee surface agreement attached - for section 26).

RECEIVED: October 11, 2014

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:

3160

(UT-922)

October 15, 2014

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2014 Plan of Development Cane Creek Unit,
Grand and San Juan Counties, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well has been modified. The original horizontal lateral drilled as the 2-1-25-18 will be abandoned and the well will be re-entered, sidetracked and the following lateral drilled (please refer to our memo dated 6/23/2014). The new lateral is coincident with the lateral proposed as the Cane Creek 2-3-25-18, API 43-019-50058. Our office recommends that the Cane Creek 2-3-25-18 APD be rescinded following approval of the proposed re-entry. The work is planned for calendar year 2014 within the Cane Creek Unit, Grand and San Juan Counties, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Cane Creek)

43-019-50036 Cane Creek Unit 2-1-25-18 H2 Sec 02 T25S R18E 0768 FSL 2392 FEL
New Lateral Sec 14 T25S R18E 0775 FNL 0117 FWL

This office has no objection to permitting the re-entry at this time.

bcc: File - Cane Creek Unit

Division of Oil Gas and Mining

Central Files

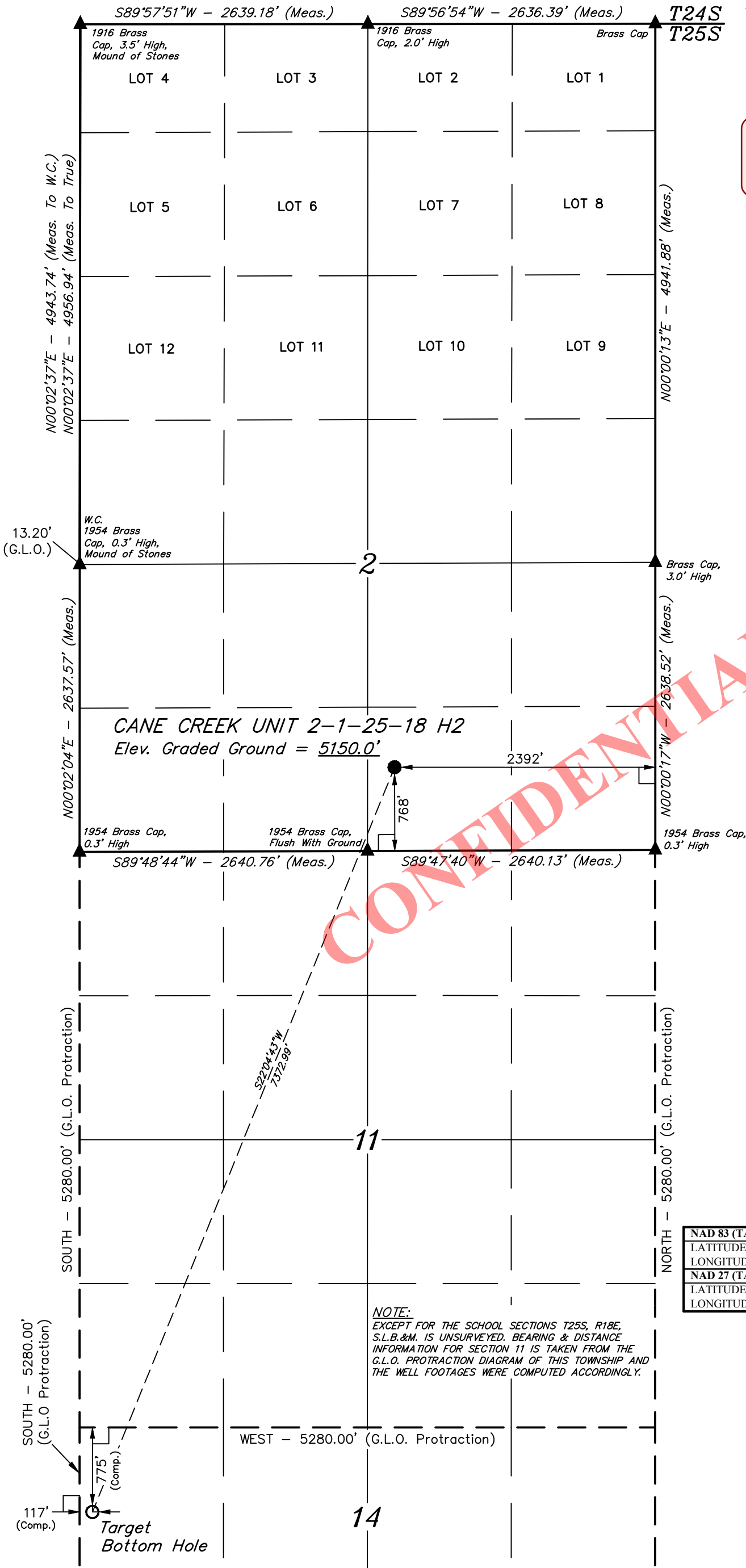
Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:10-15-14

RECEIVED: October 15, 2014

T25S, R18E, S.L.B.&M.



Bureau of Land Management
CONFIDENTIAL

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION
ABRES TRIANGULATION STATION LOCATED IN THE SE 1/4 OF SECTION 31, T21S, R17E, S.L.B.&M. TAKEN FROM THE GREEN RIVER NE, QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4518 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



FIDELITY EXPLR. & PROD. CO.

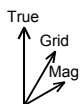
CANE CREEK UNIT 2-1-25-18 H2
SW 1/4 SE 1/4, SECTION 2, T25S, R18E, S.L.B.&M.
GRAND COUNTY, UTAH

SURVEYED BY: B.B., B.BOX	SURVEY DATE: 05-28-14
DRAWN BY: T.T.	DATE DRAWN: 05-29-14
SCALE: 1" = 1000'	REVISED: 09-23-14

WELL LOCATION PLAT

Borehole: ST2		Well: CCU 2-1-25-18		Field: UT, Grand County (NAD 83 CZ)		Structure: 02-25S-18E - Nabors M38	
Gravity & Magnetic Parameters				Surface Location		Miscellaneous	
Model: BGGM 2014		Dip: 64.61°		Date: 19-Sep-2014		Slot: CCU 2-1-25-18	
MagDec: 10.741°		FS: 51099.79nT		Gravity FS: 998.832mgn (9.80665 Based)		TVD Ref: KB 23ft(5177ft above MSL)	
		Lat: N 38 39 14.18		Northing: 6682527.31ftU		Plan: CCU 2-1-25-18 H2 R0 mdy 22Sept14	
		Lon: W 109 54 5.76		Easting: 2096923.19ftU		Scale Fact: 1.00010923	

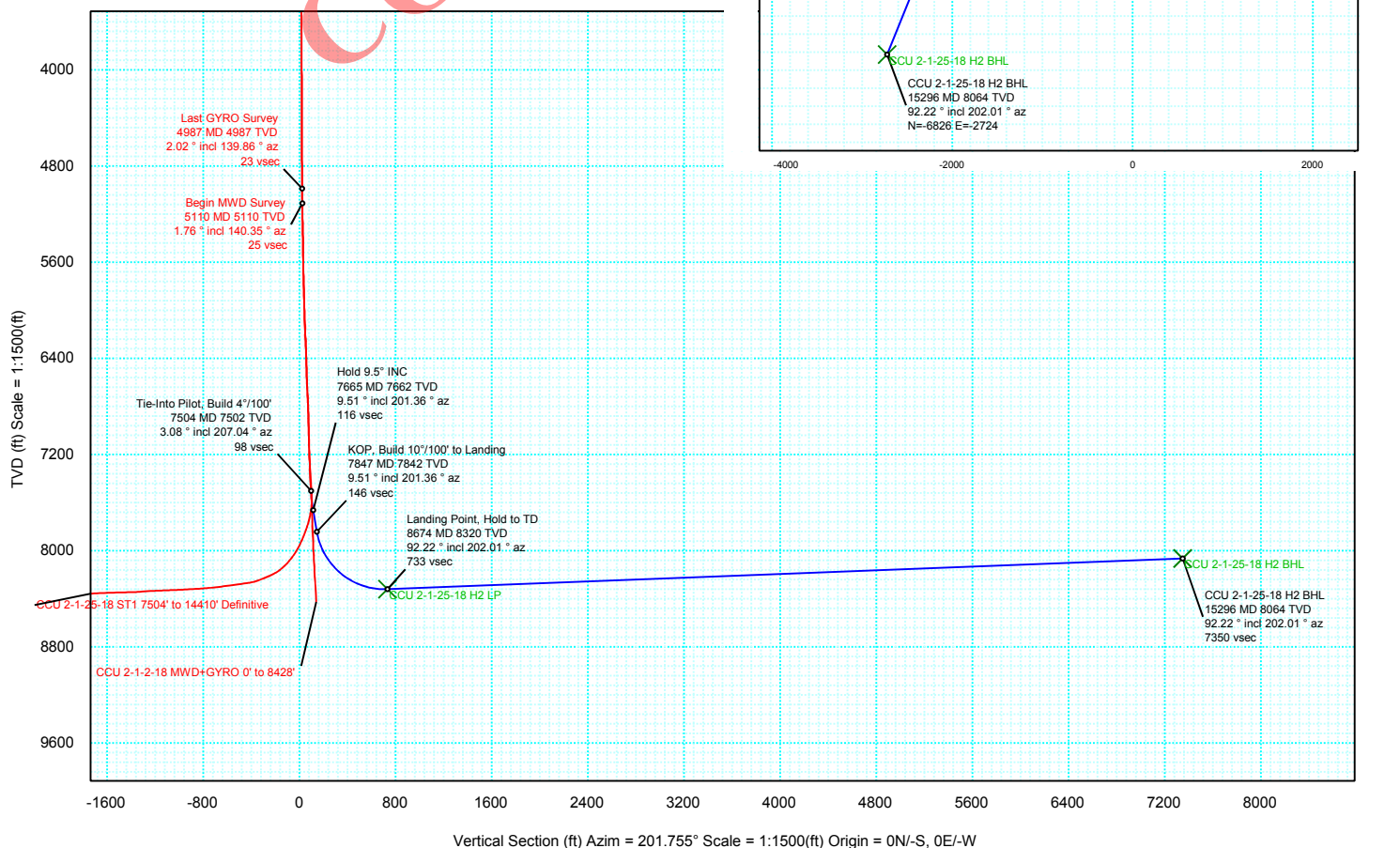
Proposal



True North
Tot Corr (M->T 10.741°)
Mag Dec (10.741°)
Grid Conv (1.024°)



Surface Location								
Northing: 6682527.31		Easting: 2096923.193		Latitude: N 38 39 14.18		Longitude: W 109 54 5.76		VSec Azimuth: 201.75 5
Target Description	Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)/S(-)	E(+)/W(-)
CCU 2-1-25-18 H2 BHL	N 38 38 6.70	W 109 54 40.09	6675652.87	2094321.25	8064.00	7349.59	-6826.11	-2724.08
CCU 2-1-25-18 H2 LP	N 38 39 7.34	W 109 54 8.84	6681831.00	2096690.61	8320.00	733.48	-691.97	-244.96
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-Into Pilot, Build 4°/100'	7504.00	3.08	207.04	7502.34	98.41	-102.77	-7.97	
Hold 9.5° INC	7665.18	9.50	201.36	7662.46	116.04	-119.04	-14.79	4.00
KOP, Build 10°/100' to Landing	7847.29	9.50	201.36	7842.08	146.12	-147.05	-25.74	0.00
Landing Point, Hold to TD	8674.41	92.22	202.01	8320.00	733.36	-691.86	-244.92	10.00
CCU 2-1-25-18 H2 BHL	15295.65	92.22	202.01	8064.00	7349.59	-6826.11	-2724.08	0.00



Bureau of Land Management

CONFIDENTIAL



CCU 2-1-25-18 H2 R0 mdv 22Sept14 Proposal Geodetic Report

(Def Plan)

Report Date: September 22, 2014 - 10:29 AM

Client: Fidelity

Field: UT, Grand County (NAD 83 CZ)

Structure / Slot: Fidelity 02-25S-18E (CCU 2-1-25-18 H1,H2) - Nabors M38 / CCU 2-1-25-18

Well: CCU 2-1-25-18

Borehole: ST2

UWI / API#: Unknown / Unknown

Survey Name: CCU 2-1-25-18 H2 R0 mdv 22Sept14

Survey Date: September 19, 2014

Tort / AHD / DDI / ERD Ratio: 109.171 ° / 7365.659 ft / 6.170 / 0.885

Coordinate Reference System: NAD83 Utah State Plane, Central Zone, US Feet

Location Lat / Long: N 38° 39' 14.17680", W 109° 54' 5.75640"

Location Grid N/E Y/X: N 6682527.310 ftUS, E 2096923.193 ftUS

CRS Grid Convergence Angle: 1.0239 °

Grid Scale Factor: 1.00010923

Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski

Vertical Section Azimuth: 201.755 ° (True North)

Vertical Section Origin: 0.000 ft, 0.000 ft

TVD Reference Datum: KB 23ft

TVD Reference Elevation: 5177.000 ft above MSL

Seabed / Ground Elevation: 5154.000 ft above MSL

Magnetic Declination: 10.741 °

Total Gravity Field Strength: 998.8324mgn (9.80665 Based)

Gravity Model: GARM

Total Magnetic Field Strength: 51099.790 nT

Magnetic Dip Angle: 64.610 °

Declination Date: September 19, 2014

Magnetic Declination Model: BGGM 2014

North Reference: True North

Grid Convergence Used: 0.0000 °

Total Corr Mag North→True North: 10.7414 °

Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-Into Pilot, Build 4"/100'	7504.00	3.08	207.04	7502.34	98.41	-102.77	-7.97	N/A	6682424.40	2096917.06	N 38 39 13.16	W 109 54 5.86
Hold 9.5" INC	7600.00	6.90	202.39	7597.96	106.75	-110.41	-11.34	4.00	6682416.71	2096913.83	N 38 39 13.09	W 109 54 5.90
	7665.18	9.50	201.36	7662.46	116.04	-119.04	-14.79	4.00	6682408.01	2096910.53	N 38 39 13.00	W 109 54 5.94
	7700.00	9.50	201.36	7696.81	121.79	-124.40	-16.89	0.00	6682402.62	2096908.53	N 38 39 12.95	W 109 54 5.97
	7800.00	9.50	201.36	7795.43	138.31	-139.77	-22.90	0.00	6682387.13	2096902.79	N 38 39 12.80	W 109 54 6.05
	7847.29	9.50	201.36	7842.08	146.12	-147.05	-25.74	0.00	6682379.81	2096900.08	N 38 39 12.72	W 109 54 6.08
KOP, Build 10"/100' to Landing	7900.00	14.78	201.59	7893.59	157.20	-157.36	-29.81	10.00	6682369.43	2096896.20	N 38 39 12.62	W 109 54 6.13
	8000.00	24.78	201.77	7987.57	190.99	-188.75	-42.30	10.00	6682337.81	2096884.27	N 38 39 12.31	W 109 54 6.29
	8100.00	34.78	201.85	8074.26	240.58	-234.80	-60.73	10.00	6682291.44	2096866.66	N 38 39 11.86	W 109 54 6.52
	8200.00	44.77	201.89	8151.02	304.48	-294.09	-84.54	10.00	6682231.72	2096843.92	N 38 39 11.27	W 109 54 6.82
	8300.00	54.77	201.93	8215.51	380.73	-364.64	-112.99	10.00	6682160.47	2096816.73	N 38 39 10.57	W 109 54 7.18
	8400.00	64.77	201.95	8265.79	467.03	-444.89	-145.23	10.00	6682079.85	2096785.92	N 38 39 9.78	W 109 54 7.59
	8500.00	74.77	201.97	8300.32	560.74	-531.80	-180.28	10.00	6681992.32	2096752.42	N 38 39 8.92	W 109 54 8.03
	8600.00	84.77	201.99	8318.05	659.03	-622.94	-217.07	10.00	6681900.52	2096717.26	N 38 39 8.02	W 109 54 8.49
Landing Point, Hold to TD	8674.41	92.22	202.01	8320.00	733.36	-691.86	-244.92	10.00	6681831.11	2096690.65	N 38 39 7.34	W 109 54 8.84
	8700.00	92.22	202.01	8319.01	758.93	-715.57	-254.50	0.00	6681807.23	2096681.50	N 38 39 7.10	W 109 54 8.96
	8800.00	92.22	202.01	8315.14	858.86	-808.21	-291.94	0.00	6681713.92	2096645.71	N 38 39 6.19	W 109 54 9.44
	8900.00	92.22	202.01	8311.28	958.78	-900.86	-329.38	0.00	6681620.61	2096609.93	N 38 39 5.27	W 109 54 9.91
	9000.00	92.22	202.01	8307.41	1058.70	-993.50	-366.83	0.00	6681527.30	2096574.14	N 38 39 4.36	W 109 54 10.38
	9100.00	92.22	202.01	8303.54	1158.63	-1086.15	-404.27	0.00	6681433.99	2096538.36	N 38 39 3.44	W 109 54 10.85
	9200.00	92.22	202.01	8299.68	1258.55	-1178.80	-441.71	0.00	6681340.68	2096502.57	N 38 39 2.52	W 109 54 11.32
	9300.00	92.22	202.01	8295.81	1358.48	-1271.44	-479.15	0.00	6681247.37	2096466.79	N 38 39 1.61	W 109 54 11.80
	9400.00	92.22	202.01	8291.95	1458.40	-1364.09	-516.60	0.00	6681154.06	2096431.00	N 38 39 0.69	W 109 54 12.27
	9500.00	92.22	202.01	8288.08	1558.33	-1456.73	-554.04	0.00	6681060.75	2096395.22	N 38 39 0.69	W 109 54 12.74
	9600.00	92.22	202.01	8284.21	1658.25	-1549.38	-591.48	0.00	6680967.45	2096359.43	N 38 39 0.69	W 109 54 13.21
	9700.00	92.22	202.01	8280.35	1758.17	-1642.02	-628.93	0.00	6680874.14	2096323.65	N 38 39 0.69	W 109 54 13.68
	9800.00	92.22	202.01	8276.48	1858.10	-1734.67	-666.37	0.00	6680780.83	2096287.86	N 38 39 0.69	W 109 54 14.16
	9900.00	92.22	202.01	8272.61	1958.02	-1827.31	-703.81	0.00	6680687.52	2096252.08	N 38 39 0.69	W 109 54 14.63
	10000.00	92.22	202.01	8268.75	2057.95	-1919.96	-741.25	0.00	6680594.21	2096216.29	N 38 39 0.69	W 109 54 15.10
	10100.00	92.22	202.01	8264.88	2157.87	-2012.60	-778.70	0.00	6680500.90	2096180.51	N 38 39 0.69	W 109 54 15.57
	10200.00	92.22	202.01	8261.01	2257.80	-2105.25	-816.14	0.00	6680407.59	2096144.72	N 38 39 0.69	W 109 54 16.04
	10300.00	92.22	202.01	8257.15	2357.72	-2197.89	-853.58	0.00	6680314.28	2096108.94	N 38 39 0.69	W 109 54 16.52
	10400.00	92.22	202.01	8253.28	2457.64	-2290.54	-891.02	0.00	6680220.97	2096073.15	N 38 39 0.69	W 109 54 16.99
	10500.00	92.22	202.01	8249.42	2557.57	-2383.18	-928.47	0.00	6680127.66	2096037.37	N 38 39 0.69	W 109 54 17.46
	10600.00	92.22	202.01	8245.55	2657.49	-2475.83	-965.91	0.00	6680034.35	2096001.58	N 38 39 0.69	W 109 54 17.93
	10700.00	92.22	202.01	8241.68	2757.42	-2568.47	-1003.35	0.00	6679941.04	2095965.80	N 38 39 0.69	W 109 54 18.40
	10800.00	92.22	202.01	8237.82	2857.34	-2661.12	-1040.79	0.00	6679847.73	2095930.01	N 38 39 0.69	W 109 54 18.87
	10900.00	92.22	202.01	8233.95	2957.27	-2753.76	-1078.24	0.00	6679754.42	2095894.23	N 38 39 0.69	W 109 54 19.35
	11000.00	92.22	202.01	8230.08	3057.19	-2846.41	-1115.68	0.00	6679661.11	2095858.44	N 38 39 0.69	W 109 54 19.82
	11100.00	92.22	202.01	8226.22	3157.11	-2939.05	-1153.12	0.00	6679567.81	2095822.66	N 38 39 0.69	W 109 54 20.29
	11200.00	92.22	202.01	8222.35	3257.04	-3031.70	-1190.56	0.00	6679474.50	2095786.87	N 38 39 0.69	W 109 54 20.76
	11300.00	92.22	202.01	8218.49	3356.96	-3124.34	-1228.01	0.00	6679381.19	2095751.09	N 38 39 0.69	W 109 54 21.23
	11400.00	92.22	202.01	8214.62	3456.89	-3216.99	-1265.45	0.00	6679287.88	2095715.30	N 38 39 0.69	W 109 54 21.71
	11500.00	92.22	202.01	8210.75	3556.81	-3309.63	-1302.89	0.00	6679194.57	2095679.52	N 38 39 0.69	W 109 54 22.18
	11600.00	92.22	202.01	8206.89	3656.74	-3402.28	-1340.33	0.00	6679101.26	2095643.73	N 38 39 0.69	W 109 54 22.65
	11700.00	92.22	202.01	8203.02	3756.66	-3494.92	-1377.78	0.00	6679007.95	2095607.95	N 38 39 0.69	W 109 54 23.12
	11800.00	92.22	202.01	8199.15	3856.58	-3587.57	-1415.22	0.00	6678914.64	2095572.16	N 38 39 0.69	W 109 54 23.59
	11900.00	92.22	202.01	8195.29	3956.51	-3680.21	-1452.66	0.00	6678821.33	2095536.38	N 38 39 0.69	W 109 54 24.07
	12000.00	92.22	202.01	8191.42	4056.43	-3772.86	-1490.10	0.00	6678728.02	2095500.59	N 38 39 0.69	W 109 54 24.54
	12100.00	92.22	202.01	8187.55	4156.36	-3865.50	-1527.55	0.00	6678634.71	2095464.81	N 38 39 0.69	W 109 54 25.01
	12200.00	92.22	202.01	8183.69	4256.28	-3958.15	-1564.99	0.00	6678541.40	2095429.02	N 38 39 0.69	W 109 54 25.48
	12300.00	92.22	202.01	8179.82	4356.21	-4050.79	-1602.43	0.00	6678448.09	2095393.24	N 38 39 0.69	W 109 54 25.95
	12400.00	92.22	202.01	8175.96	4456.13	-4143.44	-1639.88	0.00	6678354.78	2095357.45	N 38 39 0.69	W 109 54 26.42
	12500.00	92.22	202.01	8172.09	4556.05	-4236.08	-1677.32	0.00	6678261.47	2095321.67	N 38 39 0.69	W 109 54 26.90
	12600.00	92.22	202.01	8168.22	4655.98	-4328.73	-1714.76	0.00	6678168.17	2095285.88	N 38 39 0.69	W 109 54 27.37
	12700.00	92.22	202.01	8164.36	4755.90	-4421.37	-1752.20	0.00	6678074.86	2095250.10	N 38 39 0.69	W 109 54 27.84
	12800.00	92.22	202.01	8160.49	4855.83	-4514.02	-1789.65	0.00	6677981.55	2095214.31	N 38 39 0.69	W 109 54 28.31
	12900.00	92.22	202.01	8156.62	4955.75	-4606.66	-1827.09	0.00	6677888.24	2095178.53	N 38 39 0.69	W 109 54 28.78
	13000.00	92.22	202.01	8152.76	5055.68	-4699.31	-1864.53	0.00	6677794.93	2095142.74	N 38 39 0.69	W 109 54 29.26
	13100.00	92.22	202.01	8148.89	5155.60	-4791.95	-1901.97	0.00	6677701.62	2095106.96	N 38 39 0.69	W 109 54 29.73
	13200.00	92.22	202.01	8145.02	5255.52	-4884.60	-1939.42	0.00	6677608.31	2095071.17	N 38 39 0.69	W 109 54 30.20
	13300.00	92.22	202.01	8141.16	5355.45	-4977.24	-1976.86	0.00	6677515.00	2095035.39	N 38 39 0.69	W 109 54 30.67
	13400.00	92.22	202.01	8137.29	5455.37	-5069.89	-2014.30	0.00	6677421.69	2094999.60	N 38 39 0.69	W 109 54 31.14
	13500.00	92.22	202.01	8133.43	5555.30	-5162.53	-2051.79	0.00	6677328.38	2094963.82	N 38 39 0.69	W 109 54 31.61
	13600.00	92.22	202.01	8129.56	5655.22	-5255.18	-2089.19	0.00	6677235.07	2094928.03	N 38 39 0.69	W 109 54 32.09
	13700.00	92.22	202.01	8125.69	5755.15	-5347.82	-2126.63	0.00	6677141.76	2094892.25	N 38 39 0.69	W 109 54 32.56
	13800.00	92.22	202.01	8121.83	5855.07	-5440.47	-2164.07	0.00	6677048.45	2094856.46	N 38 39 0.69	W 109 54 33.03
	13900.00	92.22	202.01	8117.96	5954.99	-5533.11	-2201.51	0.00	6676955.14	2094820.68	N 38 39 0.69	W 109 54 33.50
	14000.00	92.22	202.01	8114.09	6054.92	-5625.76	-2238.96	0.00	6676861.83	2094784.89	N 38 39 0.69	W 109 54 33.97
	14100.00	92.22	202.01	8110.23	6154.84	-5718.40	-2276.40	0.00	6676768.53	2094749.11	N 38 39 0.69	W 109 54 34.45
	14200.00	92.22	202.01	8106.36	6254.77	-5811.05	-2313.84	0.00	6676675.22	2094713.32	N 38 39 0.69	W 109 54 34.92

CONFIDENTIAL

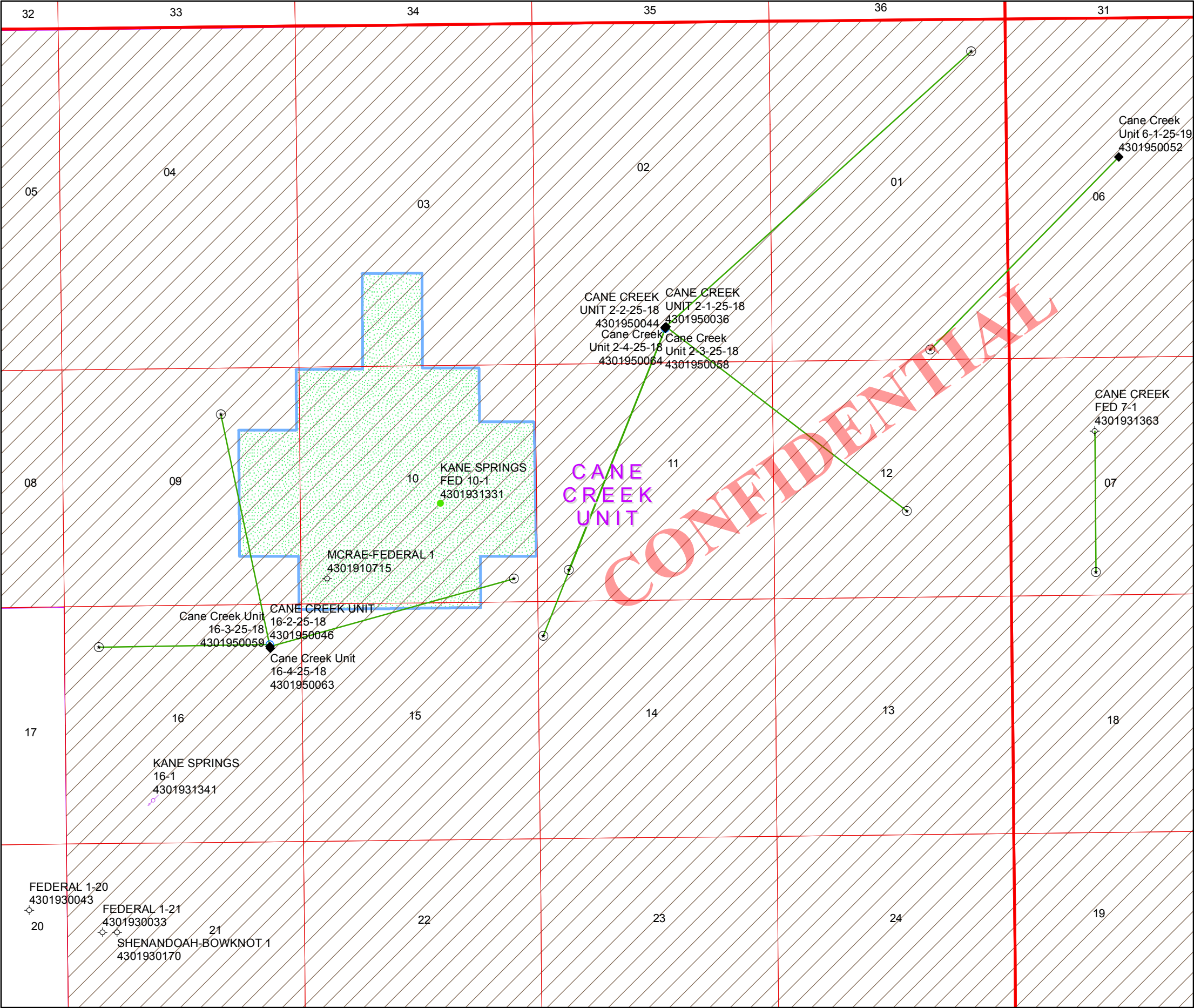
Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	N (ft)	E (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	14300.00	92.22	202.01	8102.50	6354.69	-5903.69	-2351.28	0.00	6676581.91	2094677.54	N 38 38 15.82	W 109 54 35.39
	14400.00	92.22	202.01	8098.63	6454.62	-5996.34	-2388.73	0.00	6676488.60	2094641.75	N 38 38 14.90	W 109 54 35.86
	14500.00	92.22	202.01	8094.76	6554.54	-6088.98	-2426.17	0.00	6676395.29	2094605.97	N 38 38 13.99	W 109 54 36.33
	14600.00	92.22	202.01	8090.90	6654.46	-6181.63	-2463.61	0.00	6676301.98	2094570.18	N 38 38 13.07	W 109 54 36.80
	14700.00	92.22	202.01	8087.03	6754.39	-6274.27	-2501.05	0.00	6676208.67	2094534.40	N 38 38 12.16	W 109 54 37.28
	14800.00	92.22	202.01	8083.16	6854.31	-6366.92	-2538.50	0.00	6676115.36	2094498.61	N 38 38 11.24	W 109 54 37.75
	14900.00	92.22	202.01	8079.30	6954.24	-6459.56	-2575.94	0.00	6676022.05	2094462.83	N 38 38 10.33	W 109 54 38.22
	15000.00	92.22	202.01	8075.43	7054.16	-6552.21	-2613.38	0.00	6675928.74	2094427.04	N 38 38 9.41	W 109 54 38.69
	15100.00	92.22	202.01	8071.56	7154.09	-6644.85	-2650.83	0.00	6675835.43	2094391.26	N 38 38 8.49	W 109 54 39.16
	15200.00	92.22	202.01	8067.70	7254.01	-6737.50	-2688.27	0.00	6675742.12	2094355.47	N 38 38 7.58	W 109 54 39.63
CCU 2-1-25-18 H2 BHL	15295.65	92.22	202.01	8064.00	7349.59	-6826.11	-2724.08	0.00	6675652.87	2094321.25	N 38 38 6.70	W 109 54 40.09

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	23.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE-Depth Only	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	23.000	4987.000	Act Stns	30.000	30.000	SLB_CNSG+DPIPE	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	4987.000	7504.000	Act Stns	30.000	30.000	SLB_MWD-STD	Pilot / CCU 2-1-2-18 MWD+GYRO 0' to 8428' Definitive
	1	7504.000	15295.649	1/100.000	30.000	30.000	SLB_MWD-STD	ST2 / CCU 2-1-25-18 H2 R0 mdv 22Sept14

RECEIVED: October 15, 2014



API Number:43-019-50036
Well Name: Cane Creek Unit 2-1-25-18 H2
Section: 2 Township: 25S Range: 18E Meridian: SL
Operator: FIDELITY E&P COMPANY

Map Prepared: Oct. 16, 2014
Map Produced by Lisha Cordova

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WW - Water Injection Well
- WSW - Water Supply Well

Units

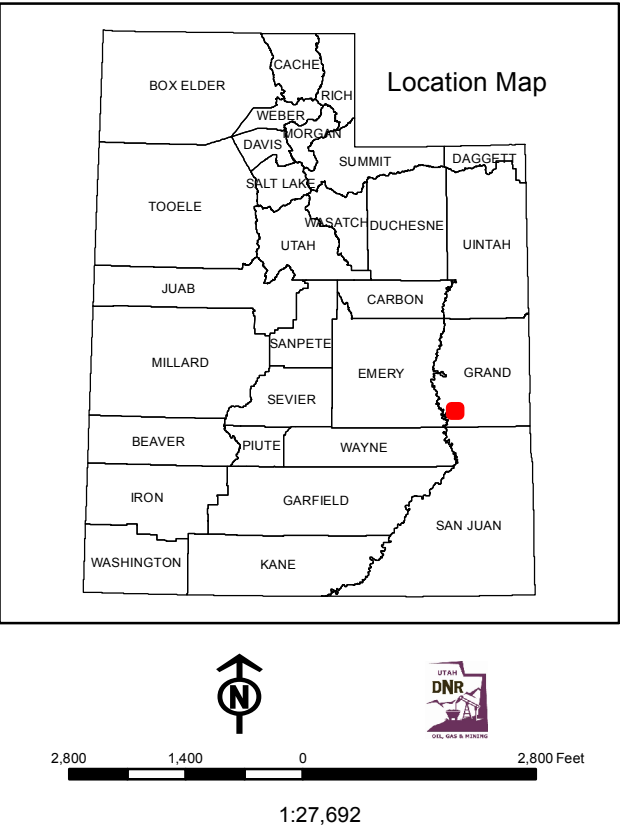
STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator FIDELITY E&P COMPANY
Well Name Cane Creek Unit 2-1-25-18 H2
API Number 43019500360000 **APD No** 10368 **Field/Unit** UNDESIGNATED
Location: SWSE **Sec** 2 **Tw** 25.0S **Rng** 18.0E 768 FSL 2392 FEL
1/4, 1/4
GPS Coord
(UTM) **Surface Owner**

Participants

Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P.

Regional/Local Setting & Topography

Note: Original site visit conducted 10/21/2013. Since that time the proposed well bore has been drilled and TA'd. For the current APD information from the original site visit will be used as appropriate.

Proposed project site is located ~19 miles northwest of Moab Utah, in Grand County Utah. On a regional setting the proposed project is located in the Canyonlands Region of the Colorado Plateau. The Canyonlands Region is renowned for its red rock canyons and spectacular views. Tourism is a growing industry in the region. In close proximity to the proposed project site, Dead Horse State Park, Aches National Park and Canyonlands National Park are popular destinations along with the community of Moab Utah. On a local scale the proposed project site is located near Hell Roaring Canyon and Dubinky Point. Local points of interest include: Gemini Arch, Gemini Bridges, Arths Pasture, Seven mile Canyon, Long Canyon, Dead Horse Point, Horsetheif Point, Mineral Bottoms, Islands in the Sky, Hell Roaring Canyon, Courthouse Rock and Dubinky Point. Topography is typical of the Canyonlands Region: a series of large sandy mesa's abruptly falling off into steep canyons comprised of alternating layers of sandstone and shale. Climatic conditions within the region are arid, and vegetation is typically sparse. The proposed project site is located on a gentle slope consisting of sandy loam soils deposited on sandstone bedrock. Precipitation is considered a 8-10" precept zone. Soils are dominated by Eolian deposits and are predominantly unstable sands and sandy loams. Vegetation would be described as Pinion-Juniper Woodlands and black brush communities. Water drainage is to the southwest, entering Hell Roaring Canyon 2 miles and the Colorado River within 9 miles. No perennial water sources were observed in close proximity to the project site.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 502 Length 498		NAVWN

Ancillary Facilities N

Waste Management Plan Adequate? N

Environmental Parameters

Affected Floodplains and/or Wetlands N

Ephemeral drainage adjacent to proposed project site

Flora / Fauna

None, existing well pad. Per original site evaluations:

Flora

Grass: Muhly spp.

Forbs: Russian thistle, sunflower, primrose, globe mallow, multiple unknown annuals.

Shrubs: Sand sage, Mormon tea, winter fat.

Succulents: Prickly pear cactus spp.

Fauna: Mule deer, big horn sheep, coyote, kit fox, gray fox. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark. . Host of small rodents and reptiles possible such as: Black tailed rabbit, cottontail rabbit, woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, spotted skunk, and antelope squirrel.

Soil Type and Characteristics

Reddish orange sands and sandy loams.

Erosion Issues Y

Soils prone to wind and water erosion once disturbed.

Sedimentation Issues N

Site Stability Issues N

Site appears suitable for proposed drilling program. Road base may be required on access road and well pad to prevent large dust pockets.

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? Y

Seeding should be completed outside of anchors within one year following well pad construction.

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0

Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	High permeability	20	
Fluid Type	Oil Base Mud Fluid	15	
Drill Cuttings	Salt or Detrimental	10	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	55	1 Sensitivity Level

Characteristics / Requirements

Proposed drilling system includes the use of a oil based mud (OBM)drilling system to stabilize hole through Paradox salt zones. As such a closed loop drilling system is required.

All equipment or tanks containing OBM or cuttings generated from drilling system using OBM should be set in berms lined with a 24 ml synthetic liner.

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 24 Pit Underlayment Required? Y

Other Observations / Comments

Access road is proposed as a 14' running surface with turnouts. Minimal construction will be completed until well is deemed capable of commercial production. Pit run will be placed at wash crossing and portions of road requiring maintenance during drilling operations.

DOGM noted significant concerns regarding reserve/cuttings pit lining, management and reclamation. Pit contents with TDS in excess of 50,000 mg/l are possible, as such additional stipulations and precautions will be required.

Top 6-12" of top soils should be saved and stockpile on the east and southern sides of the well pad. All disturbed soils shall be seeded within 12 months of disturbance.

Bart Kettle
Evaluator

12/15/2014
Date / Time

Application for Permit to Drill Statement of Basis Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
10368	43019500360000	REVISION	OW	S	No
Operator	FIDELITY E&P COMPANY		Surface Owner-APD		
Well Name	Cane Creek Unit 2-1-25-18 H2		Unit	CANE CREEK	
Field	UNDESIGNATED		Type of Work	DEEPEN	
Location	SWSE 2 25S 18E S 768 FSL 2392 FEL GPS Coord (UTM) 595580E 4278943N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

12/16/2014
Date / Time

Surface Statement of Basis

Original surface evaluation conducted October 21, 2013. In attendance: Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P. Additional review completed December 15, 2014 for proposed 7792' lateral.

Proposed project is located in an environmentally sensitive region. National Parks, slick rock trails, river rafting and scenic views attract thousands of tourist to the region annually. Due to awareness of mineral exploration in the area it is reasonable to expect scrutiny of drilling operations for proposed project. Operator instructed to monitor drilling operations and ROW activity closely. Problems should be addressed immediately. Steps to limit activity during peak tourist season, and hours of the day are recommended.

DOGM is requiring aclosed loop drilling system. Tanks and equipment handling or storing oil based drilling mediums and chloride laden cuttings will require 24 mil string reinforced geomembrane liner. Liner should be placed over prepared surface containing 12" berms and key trench to secure liner.

Bart Kettle
Onsite Evaluator

12/15/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A geomembrane liner with a minimum thickness of 24 mils shall be properly installed and maintained under tanks and equipment storing or handling oil based drilling fluids or salt laden cuttings. Geomembrane liner shall consist of a string reinforced impervious synthetic material, resistant to hydrocarbons, salts and alkaline solutions.
Pits	A representative sample of drill cuttings shall be collected and analyzed prior to disposal at approved facility..
Pits	A closed loop mud circulation system is required while using oil based drilling mediums.
Surface	Access road and well pad shall have fresh water applied to control dust as needed.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/29/2014

API NO. ASSIGNED: 43019500360000

WELL NAME: Cane Creek Unit 2-1-25-18 H2

OPERATOR: FIDELITY E&P COMPANY (N3155)

PHONE NUMBER: 435 650-3866

CONTACT: Don Hamilton

PROPOSED LOCATION: SWSE 02 250S 180E

Permit Tech Review: ☒

SURFACE: 0768 FSL 2392 FEL

Engineering Review: ☐

BOTTOM: 0775 FNL 0117 FWL

Geology Review: ☒

COUNTY: GRAND

LATITUDE: 38.65575

LONGITUDE: -109.90222

UTM SURF EASTINGS: 595580.00

NORTHINGS: 4278943.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: ML43326 UTU51636

PROPOSED PRODUCING FORMATION(S): CANE CREEK

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - CO1395☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Moab Municipal Water Supply☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: CANE CREEK

☒ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-2

Effective Date:

Siting:

☐ R649-3-11. Directional Drill

Comments: Presite Completed
IRR SEC:WELL NM FR CCU 2-1-25-18:

Stipulations: 4 - Federal Approval - Icordova
5 - Statement of Basis - bhll
27 - Other - bhll

RECEIVED: December 16, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Cane Creek Unit 2-1-25-18 H2
API Well Number: 43019500360000
Lease Number: ML43326 UTU51636
Surface Owner: STATE
Approval Date: 12/16/2014

Issued to:

FIDELITY E&P COMPANY, 1801 California St. Ste 2500, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the CANE CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R. 649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
9. FIELD and POOL or WILDCAT: CANE CREEK		COUNTY: GRAND
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/15/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
	OTHER: <input type="text" value="Recomplete"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Fidelity E&P requests permission to recomplete the referenced well by following these procedures: 1. MIRU workover rig. 2. Pull and L/D tubing and perforating guns. 3. RIH with motor and mill 7" casing to well TD. 4. RIH with 4 1/2" inner liner casing and swell packers. 5. Circulate lease crude behind swell packers. 6. RDMO workover rig. 7. MIRU pumping equipment and flowback equipment. 8. Pump mineral oil with gelling agent, crosslinker, breaker, and proppant. 9. RDMO pumping equipment. 10. Flowback well. The specifics of these procedures are as follows: Run a 4-1/2" liner inside the already perforated 7" casing. The liner will come back to around 6300' where we will have a liner hanger and packer. We will then run a 4-1/2" tie-back string from surface into the liner top. (Please see attached PDF for continued detail)		
Approved by the January 29, 2015 Oil, Gas and Mining Date: _____ By: <u>Derek Duff</u>		
NAME (PLEASE PRINT) Frances MacDonald	PHONE NUMBER 720 917-3026	TITLE Environmental Technician
SIGNATURE N/A	DATE 1/5/2015	

Recompletion Specifics Continued

The 4 ½" liner will have ball or coil tubing activated casing sleeves to multistage stimulate the Cane Creek clastic with variable stage spacing. The casing sleeves will have swell packers straddling them on the outside of the 4 ½" casing but inside the 7" existing perforated casing. Mineral oil for breakdown and with proppant will be pumped down the 4 ½" liner, out the casing sleeves and out the already existing and perforated 7" casing. The volume per stage pumped will be 300 to 500 bbls/stage. There are no known problems with the existing 7" casing.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
9. FIELD and POOL or WILDCAT: CANE CREEK		COUNTY: GRAND
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/20/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the
May 22, 2015
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Renee Kendrick	PHONE NUMBER 720 956-5752	TITLE Project Specialist
SIGNATURE N/A	DATE 4/29/2015	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326
2. NAME OF OPERATOR: Fidelity Exploration & Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Cane Creek
3. ADDRESS OF OPERATOR: 1801 California St., STE 250 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Cane Creek
PHONE NUMBER: (303) 893-3133		8. WELL NAME and NUMBER: Cane Creek Unit 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 768' FSL 2390' FEL		9. API NUMBER: 4301950036
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 2 25S 18E S		10. FIELD AND POOL, OR WILDCAT: Cane Creek
COUNTY: Grand		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 5/20/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Revised
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Recompletion Plan

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Fidelity respectfully submits the following revised recompletion plan, the original plan was approved on January 29, 2015.

Fidelity E&P requests permission to recomplete the referenced well by following these procedures: 1. MIRU workover rig. 2. Pull and L/D tubing and perforating guns. 3. RIH with motor and mill 7" casing to well TD. 4. RIH with 4 1/2" inner liner casing and swell packers. 5. Circulate lease crude behind swell packers. 6. RDMO workover rig. 7. MIRU pumping equipment and flowback equipment. 8. Pump mineral oil/native crude blend with gelling agent, crosslinker, breaker, and proppant. 9. RDMO pumping equipment. 10. Flowback well. The specifics of these procedures are as follows: Run a 4-1/2" liner inside the already perforated 7" casing. The liner will come back to around 6300' where we will have a liner hanger and packer. We will then run a 4-1/2" tie-back string from surface into the liner top. (Please see attached PDF for continued detail)

NAME (PLEASE PRINT) <u>Renee Kendrick</u>	TITLE <u>Environmental Project Specialist</u>
SIGNATURE <u><i>Renee Kendrick</i></u>	DATE <u>4/28/2015</u>

(This space for State use only)

Recompletion Specifics Continued

The 4 ½" liner will have ball or coil tubing activated casing sleeves to multistage stimulate the Cane Creek clastic with variable stage spacing. The casing sleeves will have swell packers straddling them on the outside of the 4 ½" casing but inside the 7" existing perforated casing. A mineral oil/native crude blend for breakdown and with proppant will be pumped down the 4 ½' liner, out the casing sleeves and out the already existing and perforated 7" casing. The volume per stage pumped will be 300 to 500 bbls/stage. There are no known problems with the existing 7" casing.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
PHONE NUMBER: 720 917-3026 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/23/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input checked="" type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Fidelity stimulated the CCU 2-1-25-18 well on July 23, 2015, please see attachment for details.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 04, 2015		
NAME (PLEASE PRINT) Renee Kendrick	PHONE NUMBER 720 956-5752	TITLE Project Specialist
SIGNATURE N/A	DATE 9/3/2015	

CCU 2-1-25-18 Recompletion frac

Zone (stage)	MD ft	Clean Vol (SF 200) bbls	Econoprop (30/50) lbs	Sand (100 mesh) lbs
28	9876	249	7500	0
27	10001	120	7439	0
25	10315	152	9801	0
23	10604	152	9544	0
21	10893	285	9143	0
19	11182	136	10115	0
17	11450	149	8846	0
16	11575	147	9283	0
14	11824	153	8589	0
12	12093	188	11009	254
10	12382	178	9117	272
8	12671	177	9348	290
6	12960	243	11738	580
4	13249	218	12441	514
1	13682	596	9507	533
Totals:		3143	143420	2443
Averages:		210	9561	163

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: CANE CREEK
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
2. NAME OF OPERATOR: FIDELITY E&P COMPANY		9. API NUMBER: 43019500360000
3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: CANE CREEK
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		COUNTY: GRAND
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT Approximate date work will start: <div style="text-align: center;">12/16/2015</div>	<div style="display: flex; justify-content: space-between;"> <div> ACIDIZE CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION </div> <div> ALTER CASING CHANGE TUBING COMMINGLE PRODUCING FORMATIONS FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL SITE SIDETRACK TO REPAIR WELL VENT OR FLARE SI TA STATUS EXTENSION OTHER </div> <div> CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION <div style="text-align: center;"> PLUG BACK December 21, 2015 RECOMPLETE DIFFERENT FORMATION </div> TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
SUBSEQUENT REPORT Date of Work Completion:		
SPUD REPORT Date of Spud:		
DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Fidelity respectfully requests an APD extension for the referenced well which expires on 12/16/2015.		
NAME (PLEASE PRINT) Renee Kendrick		PHONE NUMBER 720 956-5752
		TITLE Project Specialist
SIGNATURE N/A		DATE 12/15/2015

Effective Date:

3/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Fidelity E&P Company N3155 1801 Californa Street, Suite 2500 Denver, CO 80202	Wesco Operating, Inc. N4030 PO Box 1650 Casper, WY 82602
CA Number(s):	Unit(s): Cane Creek Threemile

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 4/12/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 4/12/2016
3. New operator Division of Corporations Business Number: 8742016-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 4/12/2016
2. Receipt of Acceptance of Drilling Procedures for APD on: 4/12/2016
3. Reports current for Production/Disposition & Sundries: 4/19/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 4/19/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 4/13/2016
6. Surface Facility(s) included in operator change: Blue Hills Gas Plant
Dead House Lateral Pipeline
Dubinky Booster Station
Long Canyon Facility
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB0000685
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): RLB0016443

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 4/21/2016 ✓
2. Entity Number(s) updated in **OGIS** on: 4/21/2016
3. Unit(s) operator number update in **OGIS** on: 4/21/2016
4. Surface Facilities update in **OGIS** on: 4/21/2016
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 4/21/2016
6. Surface Facilities update in **RBDMS** on: 4/21/2016

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

From: Fidelity Exploration Production Company N3155

To: Wesco Operating, Inc. N4030

Effective: 3/1/2016

Well Name	Section	TWN	RNG	API Numner	Entity	Mineral	Surface	Type	Status	Unit
KANE SPRINGS 16-1	16	250S	180E	4301931341	11484	State	State	WD	A	CANE CREEK
CANE CREEK UNIT 2-2-25-18	2	250S	180E	4301950044		State	State	OW	APD	CANE CREEK
Cane Creek Unit 25-1-25-19	25	250S	190E	4301950048		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 6-1-25-19	6	250S	190E	4301950052		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 29-1-25-19	29	250S	190E	4301950053		Federal	Federal	OW	APD	CANE CREEK
Cane Creek 10-1-25-19	10	250S	190E	4301950054		Federal	Federal	OW	APD	
Cane Creek Unit 30-1-25-19	30	250S	190E	4301950055		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 19-2-26-20	19	260S	200E	4301950056		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 14-1-25-19	14	250S	190E	4301950057		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 2-3-25-18	2	250S	180E	4301950058		Federal	State	OW	APD	CANE CREEK
Cane Creek Unit 16-3-25-18	16	250S	180E	4301950059		Federal	State	OW	APD	CANE CREEK
Cane Creek Unit 19-1-25-19	19	250S	190E	4301950060		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 32-2-25-19	32	250S	190E	4301950061		State	State	OW	APD	CANE CREEK
Cane Creek Unit 17-1-25-19	17	250S	190E	4301950062		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 16-4-25-18	16	250S	180E	4301950063		Federal	State	OW	APD	CANE CREEK
Cane Creek Unit 2-4-25-18	2	250S	180E	4301950064		Federal	State	OW	APD	CANE CREEK
Cane Creek Unit 5-1-25-18	5	250S	180E	4301950065		Federal	Federal	OW	APD	CANE CREEK
8-2-26-20	8	260S	200E	4301950068		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 19-3-26-20	19	260S	200E	4301950069		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 21-1-25-19	21	250S	190E	4301950070		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 12-2-26-19	12	260S	190E	4301950071		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 26-4-25-19	26	250S	190E	4301950072		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 21-1-25-18	21	250S	180E	4301950073		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 9-1-25-18	9	250S	180E	4301950074		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 7-1-25-19	7	250S	190E	4301950075		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 5-2-25-18	5	250S	180E	4301950076		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 7-1-25-18	7	250S	180E	4301950077		Federal	Federal	OW	APD	CANE CREEK
Cane Creek Unit 13-1-25-18	13	250S	180E	4301950078		Federal	Federal	OW	APD	CANE CREEK
Three Mile Unti 12-3-29-21	12	290S	210E	4303750070		Federal	Federal	OW	APD	THREEMILE
Three Mile Unit 16-2-29-22	16	290S	220E	4303750071		Federal	State	OW	APD	THREEMILE
Cane Creek Unit 7-2-26-20	7	260S	200E	4301950051	19706	Federal	Federal	OW	OPS	CANE CREEK
THREEMILE 16-17	16	290S	220E	4303750003	17984	State	State	OW	OPS	THREEMILE
Three Mile Unit 12-2-29-21	12	290S	210E	4303750069	19646	Federal	Federal	OW	OPS	THREEMILE
KANE SPRINGS FED 27-1	27	250S	190E	4301931310	14505	Federal	Federal	OW	P	CANE CREEK
KANE SPRINGS FED 19-1A	19	260S	200E	4301931324	14505	Federal	Federal	OW	P	CANE CREEK
KANE SPRINGS FED 10-1	10	250S	180E	4301931331	14509	Federal	Federal	OW	P	CANE CREEK
KANE SPRINGS FED 25-19-34-1	34	250S	190E	4301931334	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK 2-1	2	260S	190E	4301931396	14505	State	State	OW	P	CANE CREEK
CANE CREEK UNIT 12-1	12	260S	190E	4301950009	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK UNIT 7-1	7	260S	200E	4301950010	18923	Federal	Federal	OW	P	CANE CREEK
CANE CREEK UNIT# 26-2	26	250S	190E	4301950011	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK UNIT #18-1	18	260S	200E	4301950012	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK U #13-1	13	260S	190E	4301950014	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK UNIT 26-3	26	250S	190E	4301950019	14505	Federal	Federal	OW	P	CANE CREEK
CANE CREEK UNIT 28-2	28	250S	190E	4301950020	18681	Federal	Federal	OW	P	
Cane Creek Unit 17-1	17	260S	200E	4301950028	18980	Federal	Federal	OW	P	CANE CREEK
Cane Creek Unit 36-1	36	250S	190E	4301950030	14505	State	State	OW	P	CANE CREEK
Cane Creek Unit 36-2H	36	250S	190E	4301950033	14505	State	State	OW	P	CANE CREEK
Cane Creek Unit 24-2H	24	260S	190E	4301950034	19342	Federal	Federal	OW	P	CANE CREEK
Cane Creek Unit 36-3H	36	250S	190E	4301950035	19528	State	State	OW	P	CANE CREEK
CANE CREEK UNIT 2-1-25-18	2	250S	180E	4301950036	19343	Federal	State	OW	P	CANE CREEK
Cane Creek Unit 32-1-25-19	32	250S	190E	4301950037	19396	State	State	OW	P	
Cane Creek Unit 28-3	28	250S	190E	4301950045	19767	Federal	Federal	OW	P	CANE CREEK
Cane Creek 32-1-25-20	32	250S	200E	4301950049	19588	State	State	OW	P	
HATCH POINT 1	14	290S	210E	4303731658	11356	Federal	Federal	OW	P	
THREEMILE 43-18H	18	290S	220E	4303731857	17276	Federal	Federal	OW	P	
LONG CANYON 1	9	260S	200E	4301915925	674	Federal	Federal	OW	S	
CANE CREEK 1-1	1	260S	190E	4301931446	14505	Federal	Federal	OW	S	CANE CREEK

From: Fidelity Exploration Production Company N3155

To: Wesco Operating, Inc. N4030

Effective: 3/1/2016

CANE CREEK 24-1	24	260S	190E	4301931447	14505	Federal	Federal	OW	S	CANE CREEK
CANE CREEK 8-1	8	260S	200E	4301931449	16464	Federal	Federal	OW	S	CANE CREEK
Cane Creek Unit 18-2	18	260S	200E	4301950027	14505	Federal	Federal	OW	S	CANE CREEK
Cane Creek Unit 17-2	17	260S	200E	4301950032	14505	Federal	Federal	OW	S	CANE CREEK
Cane Creek 36-1-25-18	36	250S	180E	4301950038	19440	State	State	OW	S	
CHEVRON FED 1	24	290S	230E	4303730005	975	Federal	Federal	OW	S	
Threemile 12-7	12	290S	210E	4303750001	17837	Federal	Federal	OW	S	THREEMILE
LA SAL 29-28	29	290S	230E	4303750002	17920	Federal	Federal	OW	S	
CANE CREEK UNIT 16-2-25-18	16	250S	180E	4301950046	19512	State	State	OW	TA	CANE CREEK

WESCO OPERATING, INC.

O I L & G A S O P E R A T I O N S

April 8, 2016

John Rogers
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210 Box 145801
Salt Lake City, Utah 84114

RECEIVED
APR 12 2016
DIV. OF OIL, GAS & MINING

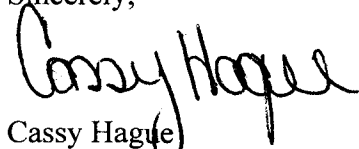
RE: Change of Operator

- A) Wells
 - B) APD'S
 - C) Dubinky Booster Station
 - D) Blue Hills Gas Plant
 - E) Dead Horse Lateral Pipeline
 - F) Authority to Inject
- Sundry Notices

Dear John Rodgers,

Please find enclosed the following documents from Fidelity Exploration & Production Company to Wesco Operating, Inc for your further handing. If you have any further questions please contact us..

Sincerely,



Cassy Hague
307-577-5337

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Exhibit
2. NAME OF OPERATOR: Fidelity Exploration & Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attached Exhibit
3. ADDRESS OF OPERATOR: 1801 California St., STE 250 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: See Attached Exhibit
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached exhibit for all wells and details COUNTY: Grand		8. WELL NAME and NUMBER: See Attached Exhibit
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER:
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: See Attached Exhibit

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 3/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

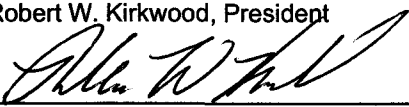
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

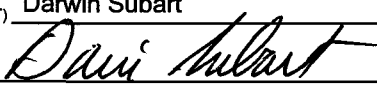
Effective March 1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the wells listed on the attached exhibit and Wesco Operating, Inc. has been designated as successor Operator.

Wesco Operating, Inc.
P.O. Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President


Signature

NAME (PLEASE PRINT) Darwin Subart	TITLE Chief Financial Officer
SIGNATURE 	DATE 4/4/2016

(This space for State use only) BLM:

APPROVED

APR 21 2016

DIV. OIL GAS & MINING
BY: Rachel Medina

Fidelity Exploration & Production Company Paradox Well & APD List

<u>Entity #</u>	<u>API #</u>	<u>Permitted Well Name</u>	<u>AKA Well Name</u>	<u>Township</u>	<u>Range</u>	<u>Section(s)</u>	<u>County</u>	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	<u>Well Type</u>	<u>Well Status</u>
14506	4301931310	KANE SPRINGS FED 27-1	KANE SPRINGS FED 27-1-25-19	25S	19E	27	GRAND	UT	Federal	Federal	OW	P✓
14505	4301931324	KANE SPRINGS FED 19-1A	KANE SPRINGS FED 19-1A-ST-26-20	26S	20E	19	GRAND	UT	Federal	Federal	OW	P✓
14509	4301931331	KANE SPRINGS FED 10-1	KANE SPRINGS FED 10-1-25-18	25S	18E	10	GRAND	UT	Federal	Federal	OW	P✓
14506	4301931334	KANE SPRINGS FED 25-19-34-1	KANE SPRINGS FED 25-19-34-1	25S	19E	34	GRAND	UT	Federal	Federal	OW	P✓
	4301931341	KANE SPRINGS 16-1-25-18	Disposal Well	25S	18E	16	GRAND	UT	State	State	SWD	P✓
14505	4301931396	CANE CREEK 2-1	CANE CREEK UNIT 2-1-26-19	26S	19E	2	GRAND	UT	State	State	OW	P✓
14505	4301931446	CANE CREEK 1-1	CANE CREEK UNIT 1-1-26-19	26S	19E	1	GRAND	UT	Federal	Federal	OW	P✓
14505	4301950009	CANE CREEK UNIT 12-1	CANE CREEK UNIT 12-1-26-19	26S	19E	12	GRAND	UT	Federal	Federal	OW	P✓
18923	4301950010	CANE CREEK UNIT 7-1	CANE CREEK UNIT 7-1-26-20	26S	20E	7	GRAND	UT	Federal	Federal	OW	P✓
14506	4301950011	CANE CREEK UNIT# 26-2	CANE CREEK UNIT 26-2-25-19	25S	19E	26	GRAND	UT	Federal	Federal	OW	P✓
14505	4301950012	CANE CREEK UNIT #18-1	CANE CREEK UNIT 18-1-26-20	26S	20E	18	GRAND	UT	Federal	Federal	OW	P✓
14505	4301950014	CANE CREEK U #13-1	CANE CREEK UNIT 13-1-26-19	26S	19E	13	GRAND	UT	Federal	Federal	OW	P✓
14506	4301950019	CANE CREEK UNIT 26-3	CANE CREEK UNIT 26-3-25-19	25S	19E	26	GRAND	UT	Federal	Federal	OW	P✓
18681	4301950020	CANE CREEK UNIT 28-2	CANE CREEK UNIT 28-2-25-19	25S	19E	28	GRAND	UT	Federal	Federal	OW	P✓
14505	4301950027	Cane Creek Unit 18-2	CANE CREEK UNIT 18-2-26-20	26S	20E	18	GRAND	UT	Federal	Federal	OW	P✓
18980	4301950028	Cane Creek Unit 17-1	CANE CREEK UNIT 17-1-26-20	26S	20E	17	GRAND	UT	Federal	Federal	OW	P✓
19057	4301950030	Cane Creek Unit 36-1	CANE CREEK UNIT 36-1-25-19	25S	19E	36	GRAND	UT	State	State	OW	P✓
14505	4301950032	Cane Creek Unit 17-2	CANE CREEK UNIT 17-2-26-20	26S	20E	17	GRAND	UT	Federal	Federal	OW	P✓
19527	4301950033	Cane Creek Unit 36-2H	CANE CREEK UNIT 36-2H-25-19	25S	19E	36	GRAND	UT	State	State	OW	P✓
19342	4301950034	Cane Creek Unit 24-2H	CANE CREEK UNIT 24-2-26-19	26S	19E	24	GRAND	UT	Federal	Federal	OW	P✓
19528	4301950035	Cane Creek Unit 36-3H	CANE CREEK UNIT 36-3H-25-19	25S	19E	36	GRAND	UT	State	State	OW	P✓
19396	4301950037	Cane Creek Unit 32-1-25-19	CANE CREEK UNIT 32-1-25-19	25S	19E	32	GRAND	UT	State	State	OW	P✓
19767	4301950045	Cane Creek Unit 28-3	CANE CREEK UNIT 28-3-25-19	26S	19E	28	GRAND	UT	Federal	Federal	OW	P✓
19588	4301950049	Cane Creek 32-1-25-20	CANE CREEK 32-1-25-20	25S	20E	32	GRAND	UT	State	State	OW	P✓
11356	4303731658	HATCH POINT 1	HATCH POINT FEDERAL 1	29S	21E	14	SAN JUAN	UT	Federal	Federal	OW	P✓ 26-P
17276	4303731857	THREEMILE 43-18H	THREEMILE UNIT 43-18H-29-22	29S	22E	18	SAN JUAN	UT	Federal	Federal	OW	P✓
19706	4301950051	Cane Creek Unit 7-2-26-20	CANE CREEK UNIT 7-2-26-20	26S	20E	7	GRAND	UT	Federal	Federal	OW	OPS✓
17984	4303750003	THREEMILE 16-17	THREEMILE UNIT 16-17-29-22	29S	22E	16	SAN JUAN	UT	State	State	OW	OPS✓ 3 OPS
19646	4303750069	Three Mile Unit 12-2-29-21	THREE MILE UNIT 12-2-29-21	29S	21E	12	SAN JUAN	UT	Federal	Federal	OW	OPS✓
19343	4301950036	CANE CREEK UNIT 2-1-25-18	CANE CREEK UNIT 2-1-25-18	25S	18E	2	GRAND	UT	Federal	State	OW	TA✓ 2TA
19512	4301950046	CANE CREEK UNIT 16-2-25-18	CANE CREEK UNIT 16-2-25-18	25S	18E	16	GRAND	UT	State	State	OW	TA✓
674	4301915925	LONG CANYON 1	LONG CANYON 1	26S	20E	9	GRAND	UT	Federal	Federal	OW	S✓
14505	4301931447	CANE CREEK 24-1	CANE CREEK UNIT 24-1-26-19	26S	19E	24	GRAND	UT	Federal	Federal	OW	S✓
16464	4301931449	CANE CREEK 8-1	CANE CREEK UNIT 8-1-26-20	26S	20E	8	GRAND	UT	Federal	Federal	OW	S✓
19440	4301950038	Cane Creek 36-1-25-18	CANE CREEK 36-1-25-18	25S	18E	36	GRAND	UT	State	State	OW	S✓
975	4303730005	CHEVRON FED 1	CHEVRON FEDERAL 1H	29S	23E	24	SAN JUAN	UT	Federal	Federal	OW	S✓ 7-S
17837	4303750001	Threemile 12-7	THREEMILE UNIT 12-7-29-21	29S	21E	12	SAN JUAN	UT	Federal	Federal	OW	S✓
17920	4303750002	LA SAL 29-28	LA SAL UNIT 29-28-29-23	29S	23E	29	SAN JUAN	UT	Federal	Federal	OW	S✓
	4301950044	CANE CREEK UNIT 2-2-25-18		250S	180E	2	GRAND	UT	State	State	OW	APD✓
	4301950048	Cane Creek Unit 25-1-25-19		250S	190E	25	GRAND	UT	Federal	Federal	OW	APD✓
	4301950052	Cane Creek Unit 6-1-25-19		250S	190E	6	GRAND	UT	Federal	Federal	OW	APD✓
	4301950053	Cane Creek Unit 29-1-25-19		250S	190E	29	GRAND	UT	Federal	Federal	OW	APD✓ 2APD
	4301950054	Cane Creek 10-1-25-19		250S	190E	10	GRAND	UT	Federal	Federal	OW	APD✓
	4301950055	Cane Creek Unit 30-1-25-19		250S	190E	30	GRAND	UT	Federal	Federal	OW	APD✓
	4301950056	Cane Creek Unit 19-2-26-20		260S	200E	19	GRAND	UT	Federal	Federal	OW	APD✓

<u>Entity #</u>	<u>API #</u>	<u>Permitted Well Name</u>	<u>AKA Well Name</u>	<u>Township</u>	<u>Range</u>	<u>Section(s)</u>	<u>County</u>	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	<u>Well Type</u>	<u>Well Status</u>
4301950057		Cane Creek Unit 14-1-25-19		250S	190E	14	GRAND	UT	Federal	Federal	OW	APD ✓
4301950058		Cane Creek Unit 2-3-25-18		250S	180E	2	GRAND	UT	Federal	State	OW	APD ✓
4301950059		Cane Creek Unit 16-3-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD ✓
4301950060		Cane Creek Unit 19-1-25-19		250S	190E	19	GRAND	UT	Federal	Federal	OW	APD ✓
4301950061		Cane Creek Unit 32-2-25-19		250S	190E	32	GRAND	UT	State	State	OW	APD ✓
4301950062		Cane Creek Unit 17-1-25-19		250S	190E	17	GRAND	UT	Federal	Federal	OW	APD ✓
4301950063		Cane Creek Unit 16-4-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD ✓
4301950064		Cane Creek Unit 2-4-25-18		250S	180E	2	GRAND	UT	Federal	State	OW	APD ✓
4301950065		Cane Creek Unit 5-1-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD ✓
4301950068		8-2-26-20		260S	200E	8	GRAND	UT	Federal	Federal	OW	APD ✓
4301950069		Cane Creek Unit 19-3-26-20		260S	200E	19	GRAND	UT	Federal	Federal	OW	APD ✓
4301950070		Cane Creek Unit 21-1-25-19		250S	190E	21	GRAND	UT	Federal	Federal	OW	APD ✓
4301950071		Cane Creek Unit 12-2-26-19		260S	190E	12	GRAND	UT	Federal	Federal	OW	APD ✓
4301950072		Cane Creek Unit 26-4-25-19		250S	190E	26	GRAND	UT	Federal	Federal	OW	APD ✓
4301950073		Cane Creek Unit 21-1-25-18		250S	180E	21	GRAND	UT	Federal	Federal	OW	APD ✓
4301950074		Cane Creek Unit 9-1-25-18		250S	180E	9	GRAND	UT	Federal	Federal	OW	APD ✓
4301950075		Cane Creek Unit 7-1-25-19		250S	190E	7	GRAND	UT	Federal	Federal	OW	APD ✓
4301950076		Cane Creek Unit 5-2-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD ✓
4301950077		Cane Creek Unit 7-1-25-18		250S	180E	7	GRAND	UT	Federal	Federal	OW	APD ✓
4301950078		Cane Creek Unit 13-1-25-18		250S	180E	13	GRAND	UT	Federal	Federal	OW	APD ✓
4303750070		Three Mile Unti 12-3-29-21		290S	210E	12	SAN JUAN	UT	Federal	Federal	OW	APD ✓
4303750071		Three Mile Unit 16-2-29-22		290S	220E	16	SAN JUAN	UT	Federal	State	OW	APD ✓
4301950036		CANE CREEK UNIT 2-1-25-18H2		25S	18E	2	GRAND	UT	Federal	State	OW	APD ✓

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

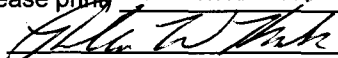
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	See attached well list
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Fidelity Exploration & Production Company
Date original permit was issued:	
Company that permit was issued to:	Fidelity Exploration & Production Company

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. _____		

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Robert W. Kirkwood Title President
Signature  Date 4/4/10
Representing (company name) Wesco Operating, Inc.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

Fidelity Exploration & Production Company Paradox APD List

<u>Date Issued</u>	<u>API #</u>	<u>Permitted Well Name</u>	<u>Township</u>	<u>Range</u>	<u>Section(s)</u>	<u>County</u>	<u>State</u>	<u>Mineral</u>	<u>Surface</u>	<u>Well Type</u>	<u>Well Status</u>
3/4/2014	4301950044	CANE CREEK UNIT 2-2-25-18	250S	180E	2	GRAND	UT	State	State	OW	APD
2/19/2015	4301950048	Cane Creek Unit 25-1-25-19	250S	190E	25	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950052	Cane Creek Unit 6-1-25-19	250S	190E	6	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950053	Cane Creek Unit 29-1-25-19	250S	190E	29	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950054	Cane Creek 10-1-25-19	250S	190E	10	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950055	Cane Creek Unit 30-1-25-19	250S	190E	30	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950056	Cane Creek Unit 19-2-26-20	260S	200E	19	GRAND	UT	Federal	Federal	OW	APD
6/26/2014	4301950057	Cane Creek Unit 14-1-25-19	250S	190E	14	GRAND	UT	Federal	Federal	OW	APD
7/21/2014	4301950058	Cane Creek Unit 2-3-25-18	250S	180E	2	GRAND	UT	Federal	State	OW	APD
8/6/2014	4301950059	Cane Creek Unit 16-3-25-18	250S	180E	16	GRAND	UT	Federal	State	OW	APD
8/6/2014	4301950060	Cane Creek Unit 19-1-25-19	250S	190E	19	GRAND	UT	Federal	Federal	OW	APD
9/22/2014	4301950061	Cane Creek Unit 32-2-25-19	250S	190E	32	GRAND	UT	State	State	OW	APD
7/30/2014	4301950062	Cane Creek Unit 17-1-25-19	250S	190E	17	GRAND	UT	Federal	Federal	OW	APD
8/12/2014	4301950063	Cane Creek Unit 16-4-25-18	250S	180E	16	GRAND	UT	Federal	State	OW	APD
9/24/2014	4301950064	Cane Creek Unit 2-4-25-18	250S	180E	2	GRAND	UT	Federal	State	OW	APD
9/2/2014	4301950065	Cane Creek Unit 5-1-25-18	250S	180E	5	GRAND	UT	Federal	Federal	OW	APD
11/25/2014	4301950068	8-2-26-20	260S	200E	8	GRAND	UT	Federal	Federal	OW	APD
12/19/2014	4301950069	Cane Creek Unit 19-3-26-20	260S	200E	19	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950070	Cane Creek Unit 21-1-25-19	250S	190E	21	GRAND	UT	Federal	Federal	OW	APD
1/13/2015	4301950071	Cane Creek Unit 12-2-26-19	260S	190E	12	GRAND	UT	Federal	Federal	OW	APD
1/13/2015	4301950072	Cane Creek Unit 26-4-25-19	250S	190E	26	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950073	Cane Creek Unit 21-1-25-18	250S	180E	21	GRAND	UT	Federal	Federal	OW	APD
1/20/2015	4301950074	Cane Creek Unit 9-1-25-18	250S	180E	9	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950075	Cane Creek Unit 7-1-25-19	250S	190E	7	GRAND	UT	Federal	Federal	OW	APD
1/20/2015	4301950076	Cane Creek Unit 5-2-25-18	250S	180E	5	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950077	Cane Creek Unit 7-1-25-18	250S	180E	7	GRAND	UT	Federal	Federal	OW	APD
1/14/2015	4301950078	Cane Creek Unit 13-1-25-18	250S	180E	13	GRAND	UT	Federal	Federal	OW	APD
7/8/2014	4303750070	Three Mile Unti 12-3-29-21	290S	210E	12	SAN JUAN	UT	Federal	Federal	OW	APD
10/2/2014	4303750071	Three Mile Unit 16-2-29-22	290S	220E	16	SAN JUAN	UT	Federal	State	OW	APD
12/16/2014	4301950036	Cane Creek Unit 2-1-25-18 H2	25S	18E	2	GRAND	UT	Federal	State	OW	APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Blue Hills Gas Plant</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-90108
2. NAME OF OPERATOR: Fidelity Exploration & Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1801 California St., STE 250 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 893-3133		8. WELL NAME and NUMBER: Blue Hills Gas Plant
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
COUNTY: <u>Grand</u>		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>3/1/2016</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective March 1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the Blue Hills Gas Plant located in T23S-R19E, Sections 20, 29. Wesco Operating, Inc. has been named as successor Operator.

Wesco Operating, Inc.
P.O Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President

Signature Robert W. Kirkwood

NAME (PLEASE PRINT) <u>Darwin Subart</u>	TITLE <u>Chief Financial Officer</u>
SIGNATURE <u>Darwin Subart</u>	DATE <u>4/4/2016</u>

(This space for State use only)

APPROVED

APR 21 2016

DIV. OIL GAS & MINING
BY: Rachael Medina

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Compressor Booster Station</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: <u>Fidelity Exploration & Production Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <u>1801 California St., STE 250</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: <u>(303) 893-3133</u>		8. WELL NAME and NUMBER: <u>Dubinky Booster Station</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
COUNTY: <u>Grand</u>		
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>3/1/2016</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	


12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

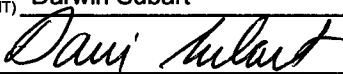
Effective March 1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the Dubinky Booster Station located along Dubinky Road, approximately 18 miles northwest of Moab, 599142 E 4280872 N UTM Zone 12, NAD83. Wesco Operating, Inc. has been named as successor Operator.

Wesco Operating, Inc.
P.O. Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President

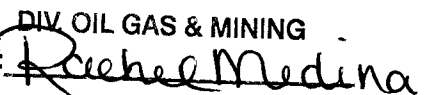

Signature

NAME (PLEASE PRINT) <u>Darwin Subart</u>	TITLE <u>Chief Financial Officer</u>
SIGNATURE 	DATE <u>4/4/2016</u>

(This space for State use only)

APPROVED

APR 21 2016

DIV OIL GAS & MINING
BY: 

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

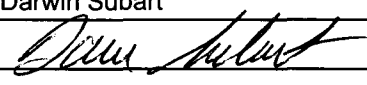
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT


Well Name and Number Kane Springs 16-1	API Number 4301931341
Location of Well Footage : 960' FSL 1960' FWL County : Grand QQ, Section, Township, Range: SESW 16 25 18 State : UTAH	Field or Unit Name Cane Creek Lease Designation and Number ML-44333

EFFECTIVE DATE OF TRANSFER: 3/1/2016

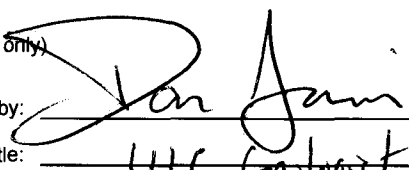
CURRENT OPERATOR

Company: <u>Fidelity Exploration & Production Company</u>	Name: <u>Darwin Subart</u>
Address: <u>1801 California Street, Suite 2500</u>	Signature: <u></u>
city <u>Denver</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Chief Financial Officer</u>
Phone: <u>(303) 893-3133</u>	Date: <u>4/4/2016</u>
Comments:	

NEW OPERATOR

Company: <u>Wesco Operating, Inc.</u>	Name: <u>Robert W. Kirkwood</u>
Address: <u>P.O. Box 1650</u>	Signature: <u></u>
city <u>Casper</u> state <u>WY</u> zip <u>82602</u>	Title: <u>President</u>
Phone: <u>(307) 265-5178</u>	Date: <u>4/7/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 4/13/16

Comments:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: CANE CREEK																														
2. NAME OF OPERATOR: WESCO OPERATING INC		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18																														
3. ADDRESS OF OPERATOR: PO Box 1650 , Casper, WY, 82602		9. API NUMBER: 43019500360000																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. FIELD and POOL or WILDCAT: CANE CREEK																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		COUNTY: GRAND																														
STATE: UTAH																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/10/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input checked="" type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Wesco Operating, Inc. intends to recomplete the Cane Creek Unit 2-1-25-18 well in the Clastic # 2 member of the Paradox formation using the attached procedure. The base fluid used for the stimulation will be a native crude blend with: gelling agent, crosslinker, breaker and proppant. An estimated pumping schedule can be seen attached but may change depending on pressures seen during the job. There are no known problems with the existing casing. The flow back will be sold with the oil and any produced water will be taken to the Kane Springs 16-1-25-18 water injection well. Upon successful flow back, the retrievable bridge plug will be pulled and the Clastic # 2 will be commingled with the Clastic # 21. A current WBD can be seen attached.																																
Approved by the July 27, 2016 Oil, Gas and Mining Date: _____ By: <u>Derek Quist</u>																																
NAME (PLEASE PRINT) Thomas C Kirkwood	PHONE NUMBER 307 577-5328	TITLE Projects Engineer																														
SIGNATURE N/A	DATE 7/12/2016																															

Cane Creek Unit 2-1-25-18

API # 43-019-50036

Wesco Operating Inc.

Recomplete well in Clastic # 2

Location: SWSE, Sec. 2, T25S, R18E, Grand County, Utah

Elevations: GL = 5,153' KB = 5,176'

Depths: TD = 14,394' PBTD = 14,330'

Tubular & Equipment:

Surface Casing:	13 3/8", 54.5 lb/ft, J-55, set at 1128', cmt to surf
Intermediate:	9 5/8", P-110, 47 lb/ft, @ 5050', 1452 sxs 12 #
Production Casing:	7", HCP 110, 29-32 lb/ft, set at 14394', 665 sxs 16# lead, 795 sxs 16# tail
Liner:	4 1/2", 11.6 lb/ft, BTC, P-110 liner hanger, set at 7520' KB, to 14330' KB
Tubing:	231 jts 2 7/8" 6.5lb/ft EUE N-80 tbg with baker hornet packer at 7489' KB

Current Producing Formation: Cane Creek

Current Perforations: Cane Creek: 8740-14320' KB

Current Status: SI

Proposed Status: Recompleted in Clastic # 2

Recommendations:

The Cane Creek 2-1-25-18 well is currently SI. It is proposed to recomplete the well in the Clastic # 2 and commingle with the Clastic # 21.


Procedure:

- 1) MIRU workover rig, MI and RU pump and 400 BBL upright tank fill with 100 BBLs produced water. Blow the well pressure down to production facility prior to MIRU.
- 2) MIRU braided line unit, RIH with 2.3" gauge ring. RIH and tag up XN at 7500.5' KB. POOH with gauge ring. PU and RIH with XN pump through plug, RIH and set in XN nipple at 7500.5' KB. Blow down tbg to check if plug holds. RDMO braided line truck.
- 3) PU 2 7/8" landing jt and screw into donut (keep hands and heads away from over the tbg). Back out hold down pins and unlatch the tubing should have 8K over string weight (total weight 50K). Strip donut off tbg, and BOP over tbg. Close pipe rams and finish NU BOP, RU 7" casing to flow up backside through choke and to tank.
- 4) Close Annular and open pipe rams. Move pipe to neutral position and release Baker Hornet packer at 7489' KB. Watch for pressure on backside. Record pressure and start to flow well up backside. Packer and tbg tally as follows bottoms up:
 - a. Wireline re-entry guide
 - b. 4' - 2 7/8" L-80 pup
 - c. XN Nipple 2.313" ID, 2.204" NG
 - d. 6' - 2 7/8" L-80 pup
 - e. 7" X 2 7/8" baker hornet packer (owned) with X profile in stinger
 - f. L-10 on/off tool
 - g. 1 jt 2 7/8" N-80 tbg 6.5#
 - h. X nipple
 - i. 230 jts 2 7/8" 6.5# N-80 tbg
- 5) Strip out of hole monitoring: casing pressure and rate, to ensure staying tbg heavy. If rate drops enough, RU vac truck on casing and pull tbg, if there is too much rate, before approaching tbg light, kill well with produced water.
- 6) PU 10K RBP sized for 7" 32# P-110 casing on 2 7/8" N-80 tbg and TIH. Pump additional kill fluid if required prior to tripping in. RIH and set RBP at ~5300' KB, release off RBP and LD 1 jt, pressure test RBP and casing to 2000 psi with fresh water spot 200 lbs of sand on top of CIBP trickling sand down with water. TOOH, standing back 2 7/8" N-80 tbg.
- 7) PU 6" bit and scraper sized for 7" 29-32 # casing. RIH and tag up RBP at ~ 5300' KB, LD 1 jt and circulate hole with 190 BBLs lease crude from the 2-1-25-18 well, continue to LD 2 7/8" N-80 tbg TOOH, Dope and thread protect each jt as it is laid down. Change out pipe rams to 3 1/2".
- 8) MIRU wireline unit, hold safety meeting and discuss job. RU lubricator and PU perforating gun, RIH and correlate to Baker Hughes CBL dated 5-16-14 and perforate 5212'-15', 5218'-26', and 5228'-30' KB with 3 spf 120 degree phasing premium charges. Monitor pressure on casing, POOH, LD perf gun, and PU 7" 32# packer assembly as follows:
 - a. WL re-entry guide
 - b. 2 7/8" XN Nipple with plug installed
 - c. 4' - 2 7/8" L-80 pup
 - d. 7" 32# X 2 7/8" full opening Baker Hornet packer (wireline set, tbg retrieve, currently in the well)
- 9) RIH and set packer at 5130' KB, POOH, RD lubricator, RDMO wireline unit
- 10) MIRU hydrotester, PU L-10 on/off tool, 8' 2 7/8" tbg pup, 2 7/8" X nipple, 2 7/8" X 3 1/2" X-over, and single in hole testing to 9000 psi with 3 1/2" 9.3 lb/ft L-80 tbg, tag up packer at ~5130' KB, space out to land tbg in hanger with ~ 20K in compression. Pup up, latch onto packer, and land 3 1/2" tbg hanger in 7" casing head. ND BOP and NU WH, RDMO hydrotesters.

- 11) Load 3 ½" by 7" with fresh treated water and pressure test to 2000 psi. RDMO workover rig.
- 12) MIRU braided line truck, RIH and retrieve plug prong, POOH, allow tbg pressure to equalize, record max pressure. RIH and retrieve plug, POOH, LD plug. RDMO braided line truck.
- 13) Open well up to facility through 6/64 choke and flow to battery for 24 hrs, record: oil, water, and gas rates, and WH pressure. Pending flow rates, may require swabbing with braided line truck.
- 14) MI 2-400 BBL upright frac tanks and fill with 600 BBLs mineral oil. MI 1-500 BBLs flat frac tank for flow back. MI frac tree, MI flow back equipment and RU for frac.
- 15) MI frac equipment, test 2 tanks of mineral oil for gel properties. MIRU fire watch, pressure test lines to 10K, and perform frac per design.
- 16) RDMO frac crew, flow back well via flow back design.

Prepared: 
Tom Kirkwood

Date: 7/1/16

Approved: 
Brad Lane

Date: 7-1-16

Approved: 
Robert Kirkwood

Date: 7/5/16

Schedule	Total Clean	Total Clean	100 mesh	30/50 Econo prop			Total Proppant			
1	(gal)	(bbls)	(lbs)	(lbs)			(lbs)			
	16,098	383	150	32,500			32,650			
Stage #	Stage Name	Design Clean Volume (gal)	Design Clean Volume (bbls)	Slurry Flow Rate 1 (bpm)	Proppant Conc. 1 (lb/gal)	Proppant Type	Stage Proppant (lbs)	Cum. Proppant (lbs)	Cum. Fluid (BBLs)	Cum. Time (min)
1	Pad	3400	81.0	20.00	0.000		0	0	81	4.0
2	0.50 ppg 100 mesh Sand Slug	300	7.1	20.00	0.500	100 mesh	150	150	88	4.4
3	Pad	550	13.1	20.00	0.000		0	150	101	5.1
4	1.00 ppg 30/50 Econoprop	1500	35.7	20.00	1.000	30/50 Econo prop	1500	1,650	137	6.8
5	2.00 ppg 30/50 Econoprop	2000	47.6	20.00	2.000	30/50 Econo prop	4000	5,650	185	9.2
6	3.00 ppg 30/50 Econoprop	2500	59.5	20.00	3.000	30/50 Econo prop	7500	13,150	244	12.2
7	4.00 ppg 30/50 Econoprop	1500	35.7	20.00	4.000	30/50 Econo prop	6000	19,150	280	14.0
8	5.00 ppg 30/50 Econoprop	1500	35.7	20.00	5.000	30/50 Econo prop	7500	26,650	315	15.8
9	6.00 ppg 30/50 Econoprop	1000	23.8	20.00	6.000	30/50 Econo prop	6000	32,650	339	17.0
10	Flush	1848	44.0	20.00	0.000		0	32,650	383	19.2

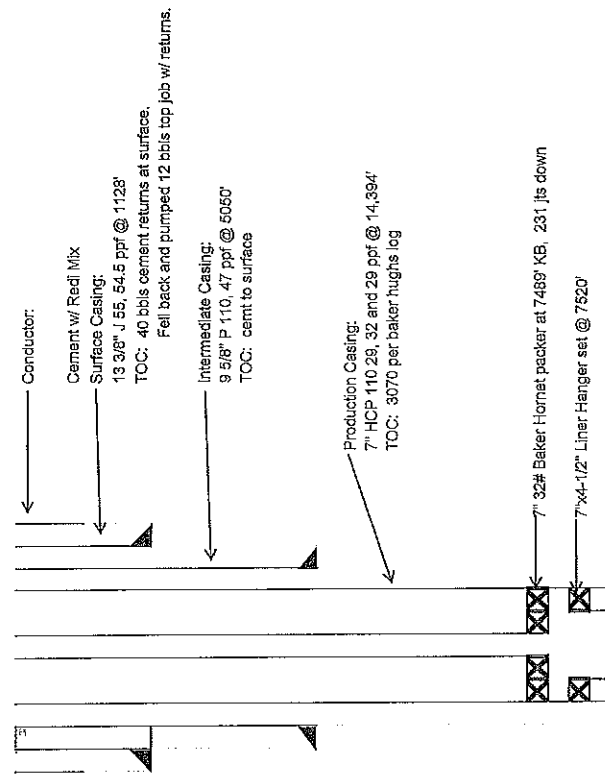
Current

CCU 2-1-25-18 Inner Liner Wellbore Diagram - 6/19/16

WELL NAME: Cane Creek Unit 2-1-25-18 SECTION, TOWNSHIP, RANGE: SWSE Sec. 2, T25S R78E
FIELD: Cane Creek
LOCATION: Grand County, UT
API#: 43-019-50036
SPUD DATE: 04/11/2014
REVISION DATE: 06/30/2016
SHL: 769' FSL 2390' FEL
SURFACE LAT (NAD27): 38 deg 39' 14.18 NAD 83
SURFACE LONG (NAD27): 109 deg 52' 5.76 NAD 83
KB: 5176'
GL: 5153'
UPDATED BY: TCK

PIPE	Size	Grade	Weight	CONN	OD (")	ID (")	Drift Dia (")	Burst	Collapse	TOC (')	TOR (')	BTM (')
Conductor	20											
Surf Csg	13 3/8"	J-55	54.5	BTC	13.375	12.615	12.459	2,750	1,130	Surface	27.6	1,128
Inter Csg	9 5/8"	HCP 110	47.0	BTC	9.825	8.681	8.525	9,440	5,310	Surface	25.7	5,050
Prod Csg	7"	HCP 110	29.0	BTC	7.000	6.184	6.039	12,220	8,930		26.5	4,878
Prod Csg	7"	HCP 110	32.0	BTC	7.000	6.084	5.989	12,460	10,760		48.78	8,878
Prod Csg	7"	HCP 110	29.0	BTC	7.000	6.184	6.068	12,220	8,930			8,878
Liner	4 1/2"	P-110	11.6	BTC	4.500	4.000	3.876	10,690	7,560	NA	7,520	14,354

Current Status: SI after first frac.

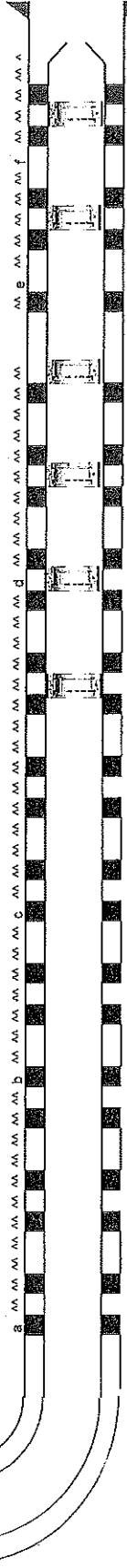


Swell Packer Depth			Swell Packer Depth		
Stage	BTM Packer	Top Packer	Ball Sleeve	BTM Packer	Top Packer
Stage 1	13,718	13,677	Ball Sleeve 1	13,684	
Stage 2	13,572	13,531	Ball Sleeve 2	13,539	
Stage 3	13,428	13,387	Ball Sleeve 3	13,393	
Stage 4	13,280	13,243	Ball Sleeve 4	13,249	
Stage 5	13,138	13,098	Ball Sleeve 5	13,104	
Stage 6	12,993	12,953	Ball Sleeve 6	12,959	
Stage 7	12,849	12,809	Ball Sleeve 7	12,815	
Stage 8	12,705	12,664	Ball Sleeve 8	12,673	
Stage 9	12,560	12,520	Ball Sleeve 9	12,529	
Stage 10	12,415	12,375	Ball Sleeve 10	12,384	
Stage 11	12,270	12,231	Ball Sleeve 11	12,240	
Stage 12	12,125	12,083	Ball Sleeve 12	12,095	
Stage 13	11,982	11,942	Ball Sleeve 13	11,948	
Stage 14	11,840	11,814	Ball Sleeve 14	11,820	
Stage 15	11,714	11,688	Ball Sleeve 15	11,683	
Stage 16	11,588	11,568	Ball Sleeve 16	11,574	
Stage 17	11,469	11,443	Ball Sleeve 17	11,449	
Stage 18	11,340	11,320	Ball Sleeve 18	11,326	
Stage 19	11,215	11,175	Ball Sleeve 19	11,181	
Stage 20	11,070	11,030	Ball Sleeve 20	11,035	
Stage 21	11,926	10,888	Ball Sleeve 21	11,892	
Stage 22	10,761	10,741	Ball Sleeve 22	10,747	
Stage 23	10,638	10,608	Ball Sleeve 23	10,604	
Stage 24	10,493	10,463	Ball Sleeve 24	10,459	
Stage 25	10,348	10,308	Ball Sleeve 25	10,314	
Stage 26	10,203	10,165	Ball Sleeve 26	10,171	
Stage 27	10,016	9,996	Ball Sleeve 27	10,006	
Stage 28	9,891	9,871	Ball Sleeve 28	9,877	

Performations (underbalanced TCP perforations per 05/02/14) completion)

Top (MD)	BTM (MD)	Net Int (MD)	Size	SPF	Phase	Holes	Status	Blank (MD)
feet	feet	feet	inch	#	deg	#		feet
a 8,740	8,960	8,275	220	0.35	5	#	1100	open
b 9,000	10,060		1060	0.35	5	#	5300	*
c 10,100	11,220		1120	0.35	5	#	9600	*
d 11,260	12,260		1000	0.35	5	#	5000	*
e 12,300	13,500		1300	0.35	5	#	6500	*
f 13,640	14,320		680	0.35	5	#	3400	*
Gross:			5,630				26800	
			5,330					230

**TCP System: Over 4 1/2" EHC, 5 spi, 60 deg phase, 39 gm, SDP-4500-31-1NT3



TD: 12025' MD, 7562' TVD, 88 deg incl
7" Shoe: 11965' MD float collar
12019' MD float shoe

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML43326 UTU5163
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WESCO OPERATING INC		7. UNIT or CA AGREEMENT NAME: CANE CREEK
3. ADDRESS OF OPERATOR: PO Box 1650 , Casper, WY, 82602		8. WELL NAME and NUMBER: CANE CREEK UNIT 2-1-25-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0768 FSL 2392 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 25.0S Range: 18.0E Meridian: S		9. API NUMBER: 43019500360000
PHONE NUMBER: 307 577-5328 Ext		9. FIELD and POOL or WILDCAT: CANE CREEK
COUNTY: GRAND		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/16/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Wesco Operating, Inc respectfully requests an extension for the above referenced APD.</p> </div> <div style="width: 35%; text-align: right;"> <p>Approved by the November 23, 2016 Oil, Gas and Mining</p> <p>Date: _____</p> <p>By: </p> </div> </div>		
NAME (PLEASE PRINT) Scott Kerr		PHONE NUMBER 307 577-5336
SIGNATURE N/A		TITLE HSE Coordinator
DATE 11/22/2016		



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43019500360000

API: 43019500360000

Well Name: CANE CREEK UNIT 2-1-25-18

Location: 0768 FSL 2392 FEL QTR SWSE SEC 02 TWP 250S RNG 180E MER S

Company Permit Issued to: WESCO OPERATING INC

Date Original Permit Issued: 12/16/2014

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Scott Kerr

Date: 11/22/2016

Title: HSE Coordinator Representing: WESCO OPERATING INC

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____ b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43326			
2. NAME OF OPERATOR: Wesco Operating, Inc						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
3. ADDRESS OF OPERATOR: P.O. Box 1650 CITY Casper STATE WY ZIP 82602				PHONE NUMBER: (307) 577-5328		7. UNIT or CA AGREEMENT NAME Cane Creek			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 769 FSL, 2390 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 769 FSL, 2390 FEL AT TOTAL DEPTH: 680 FNL, 742 FWL				8. WELL NAME and NUMBER: Cane Creek 2-1-25-18		9. API NUMBER: 4301950036			
10. FIELD AND POOL, OR WILDCAT Paradox						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 2 25S 18E			
12. COUNTY Grand Co., UT						13. STATE UTAH			
14. DATE SPUDDED: 1/20/2014		15. DATE T.D. REACHED: 5/18/2014		16. DATE COMPLETED: 10/13/2016		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>			
17. ELEVATIONS (DF, RKB, RT, GL): 5153 GL		18. TOTAL DEPTH: MD 14,410 TVD 8,366							
19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? * 2		21. DEPTH BRIDGE MD 5,512 PLUG SET: TVD 5,512					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)				23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)					
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	20 J-55	133	30	133		16 yard		0	
17.5	13 3/8 J-55	54.5	28	1,128		855	281	0	
12.25	9 5/8 P110	47	28	5,050		G 1,458	529	0	
8.5	7 HCP	29/32	28	14,394		1,400	328	3065 CBL	
	4.5 P110	11.6	7,520	14,354					
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
3.5	5,130	5,130							
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Cane Creek CI	8,740	14,320			8,740 14,320	.35"	26,900	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) Clastic # 2	5,212	5,230			5,212 5,230	.35"	39	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
WAS WELL HYDRAULICALLY FRACTURED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES -- DATE FRACTURED: 10/12/2016									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
5212-5230		500 BBLs gelled mineral oil with 14,385 # 30/50 sand							
29. ENCLOSED ATTACHMENTS:									
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION					<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS				
					<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____				
					30. WELL STATUS: SI				

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS: SI

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS: SI

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Cane Creek Clastic # 2	8,510 5,212	14,410 5,230		Kaventa Wingate Chinle Moenkopi Cutter Honaker Trail	364 508 811 1,409 1,613 3,029

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Thomas C. Kirkwood

TITLE Engineer

SIGNATURE

DATE 11/9/2016

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940